

## Certificate of Analysis

### Recombinant CL12B protein (His tag)

Catalog Number: 545078

#### Product Information

|                  |                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------|
| Batch No.        | NP456460                                                                                                                     |
| Species          | Human                                                                                                                        |
| Source           | E. coli                                                                                                                      |
| Tag              | C-His tag                                                                                                                    |
| Accession        | Q2HXU8                                                                                                                       |
| Molecular Weight | Predictes a molecular mass of 26.25 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band. |

#### Analytical Data

| Test             | Specifications                                            | Results                                            |
|------------------|-----------------------------------------------------------|----------------------------------------------------|
| Purity           | >90%, by SDS-PAGE with Coomassie Brilliant Blue staining. | 90%                                                |
| Endotoxin Level  | -                                                         | Not Tested                                         |
| Molecular Weight |                                                           | Approximately 26.25 kDa band in reducing SDS-PAGE. |
| Appearance       |                                                           | White lyophilized powder                           |

#### Preparation and Storage

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation         | Lyophilized from sterile PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reconstitution      | Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| Storage & Stability | Samples are stable for up to twelve months from date of receipt at -70°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                             |
| Shipping            | Ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

This certificate summarizes the QC information recorded for the batch listed above.

**QC Signature**

QC Date: 2026-05-15

**Products are for research use only and are not intended for diagnostic or therapeutic use.**