Recombinant CLC1A protein (His tag)

Catalog Number	543167
Synonyms	C-type lectin-like receptor 1; CLEC-1
Species	Human
Expression System	E. coli
Accession	Q8NC01
Molecular Weight	Predictes a molecular mass of 25.56 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	74-280
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 74-280 aa (Q8NC01) were fused with 6His tag.

Storage & Handling

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	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human CLEC-1 (C-type lectin domain family 1 member A) fragment (amino acids 74-280) is a high-purity protein designed to encompass the functional C-type lectin domain. This product serves as an essential tool for investigating domain-specific interactions, receptor function, and immune-related signaling pathways in research applications. C-type lectin domain family 1 member A (CLEC-1), encoded by the CLEC1A gene, is a single-pass type II membrane protein localized to the cell membrane. As a member of the C-type lectin-like receptor family, it is implicated in immune recognition and cellular communication processes. The provided fragment includes the C-type lectin domain (amino acids 144-258), enabling focused studies on the structure and ligand-binding properties of this critical functional region without the full transmembrane context.