Recombinant CLC2L protein (His tag)

Catalog Number	551353
Species	Human
Expression System	E. coli
Accession	P0C7M8
Molecular Weight	Predictes a molecular mass of 16.31 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	90-214
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 90-214 aa (P0C7M8) 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 CLEC2L (C-type lectin domain family 2 member L) Fragment (aa 90-214). This high-purity, 125-amino acid fragment is designed to encompass the complete C-type lectin domain (aa 107-209), providing an ideal research tool for investigating the specific carbohydrate-binding functions of this key immunomodulatory receptor domain. The full-length CLEC2L protein is a single-pass type I membrane protein localized to the cell surface. As a member of the C-type lectin receptor family, it is implicated in pathogen recognition and immune modulation through carbohydrate binding. The C-type lectin domain is the functional unit responsible for calcium-dependent sugar recognition, playing crucial roles in cell adhesion, signaling, and immune responses. This recombinant fragment allows focused study of this critical domain's structure and ligand interactions without the complexities of the full transmembrane protein.