Recombinant CLC4F protein (His tag)

Catalog Number	549281
Synonyms	C-type lectin superfamily member 13; C-type lectin 13
Species	Human
Expression System	E. coli
Accession	Q8N1N0
Molecular Weight	Predictes a molecular mass of 50.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa band.

Product Information

Sequence Region	115-548
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 115-548 aa (Q8N1N0) 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 CLEC4F (C-type lectin domain family 4 member F) Fragment (aa 115-548) is a high-purity protein designed for structural and biochemical studies. This 434-amino acid fragment, derived from the galactose- and fucose-binding receptor, offers a stable and soluble unit ideal for investigating lectin-mediated interactions and cellular processes. CLEC4F, also known as C-type lectin superfamily member 13, is a membrane-associated receptor with affinity for galactose and fucose. As a single-pass type II membrane protein, it is implicated in endocytosis and plays a role in carbohydrate recognition, which is critical for immune responses and cellular signaling pathways. This recombinant fragment enables focused analysis of its functional domains without membrane-associated complexities.