Recombinant CDON protein (His tag)

Catalog Number	542797
Species	Human
Expression System	E. coli
Accession	Q4KMG0
Molecular Weight	Predictes a molecular mass of 46.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	26-445
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 26-445 aa (Q4KMG0) 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 CDON Protein Fragment (26-445) is a high-purity, functional fragment of the Cell adhesion molecule-related/down-regulated by oncogenes protein, encompassing four Ig-like C2-type domains. This fragment is ideal for investigating cell-cell interactions, myogenic differentiation, and domain-specific functions in muscle precursor cells. The full-length CDON protein is a cell-surface receptor component that mediates cell-cell interactions between muscle precursor cells and promotes myogenic cell differentiation. It is localized to the cell membrane as a single-pass membrane protein, playing a critical role in developmental processes and cellular communication.