Recombinant C2CD2 protein (His tag)

Catalog Number	549964
Synonyms	Transmembrane protein 24-like
Species	Human
Expression System	E. coli
Accession	Q9Y426
Molecular Weight	Predictes a molecular mass of 23.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	34-230
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 34-230 aa (Q9Y426) 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 C2 domain-containing protein 2 (Transmembrane protein 24-like) fragment (amino acids 34-230) from Homo sapiens, designed as a stable and soluble unit for structural and biochemical studies. This high-purity protein is ideal for investigating membrane-associated protein interactions and functional mechanisms. C2 domain-containing protein 2, encoded by the C2CD2 gene in humans, is a single-pass transmembrane protein localized to the membrane, as indicated by its subcellular location. While detailed functional data is not provided, its membrane association and domain architecture suggest potential roles in cellular signaling, trafficking, or lipid interactions, making it relevant for research in cell biology and membrane protein dynamics. The recombinant fragment (residues 34-230) was computationally optimized for solubility and stability to facilitate experimental applications.