Recombinant CC020 protein (His tag)

Catalog Number	551224
Species	Human
Expression System	E. coli
Accession	Q8ND61
Molecular Weight	Predictes a molecular mass of 23.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	374-563
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 374-563 aa (Q8ND61) 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	This product is a high-quality recombinant fragment of the human uncharacterized protein C3orf20, encompassing amino acids 374-563. Engineered for stability and solubility, this fragment is ideal for structural biology studies, biochemical assays, and functional investigations into this membrane-associated protein. The full-length C3orf20 protein is a single-pass membrane protein localized to the membrane in human cells, as indicated by its subcellular location. While its precise biological function remains uncharacterized, its membrane association suggests potential roles in cellular signaling, transport, or receptor interactions. The selected fragment (374-563) was computationally optimized to represent a stable, soluble region, facilitating experimental approaches to elucidate the protein's structure and mechanistic properties.