Recombinant CA074 protein (His tag)

Catalog Number	551248
Species	Human
Expression System	E. coli
Accession	Q96LT6
Molecular Weight	Predictes a molecular mass of 31.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-269
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-269 aa (Q96LT6) 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 high-purity recombinant protein product features a stable, soluble fragment (residues 1-269) of the human UPF0739 protein C1orf74, encoded by the gene C1orf74. The fragment was computationally designed for optimal structural integrity and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assay development. The full-length UPF0739 protein C1orf74 is a human protein of currently uncharacterized function. Its specific biological role and subcellular localization remain to be fully elucidated. Research into this protein contributes to the broader effort to annotate the function of novel gene products within the human proteome. The provided recombinant fragment represents a strategically selected, stable unit of the protein to facilitate these foundational investigations.