Recombinant CK042 protein (His tag)

Catalog Number	551997
Species	Human
Expression System	E. coli
Accession	Q8N5U0
Molecular Weight	Predictes a molecular mass of 27.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	1-229
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 1-229 aa (Q8N5U0) 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 protein fragment of human Uncharacterized protein C11orf42 (residues 1-229). This 229-amino acid fragment has been computationally selected for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional investigations of this intriguing protein. Uncharacterized protein C11orf42, encoded by the gene C11orf42, is a human protein whose precise molecular function remains to be fully elucidated. Current research indicates a specific subcellular localization, with evidence suggesting it is found in cell projections, specifically cilia and flagella. This localization points to a potential role in the structure, function, or signaling pathways associated with these critical cellular organelles. The provided recombinant fragment offers researchers a valuable tool to probe the properties and potential interactions of this protein, aiding in the exploration of its biological significance.