Recombinant CS044 protein (His tag)

Catalog Number	549645
Species	Human
Expression System	E. coli
Accession	Q9H6X5
Molecular Weight	Predictes a molecular mass of 11.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	573-657
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 573-657 aa (Q9H6X5) 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-purity recombinant fragment (residues 573-657) of the uncharacterized protein C19orf44 from Homo sapiens. The fragment was computationally selected for its stability and solubility, making it an ideal tool for structural biology and biochemical assays aimed at elucidating the protein's function. The full-length C19orf44 protein is currently uncharacterized, with no specific functional or subcellular localization data available in the provided details. As an unannotated human protein, it represents a potential target for functional genomics and proteomic studies to uncover novel biological pathways or mechanisms. The lack of known domains or defined roles underscores the importance of research tools like this recombinant fragment to facilitate experimental characterization.