Recombinant KHDC1 protein (His tag)

Catalog Number	550894
Species	Human
Expression System	E. coli
Accession	Q4VXA5
Molecular Weight	Predictes a molecular mass of 14.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	85-191
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 85-191 aa (Q4VXA5) 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 KH homology domain-containing protein 1 (KHDC1) fragment (aa 85-191), a 107-amino acid construct specifically designed to encompass the complete atypical KH domain (aa 96-155). This purified fragment serves as an ideal tool for researchers investigating the structural and functional properties of this conserved RNA-binding domain in human cellular processes. The full-length KH homology domain-containing protein 1 is a multi-pass membrane protein localized to cellular membranes. While specific functional details are not fully characterized, membrane-associated proteins containing KH domains typically play roles in RNA binding, transport, and regulation. The membrane localization suggests potential involvement in compartment-specific RNA metabolism or signaling pathways at membrane interfaces.