Recombinant HIDE1 protein (His tag)

Catalog Number	551084
Species	Human
Expression System	E. coli
Accession	A8MVS5
Molecular Weight	Predictes a molecular mass of 12.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	20-117
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 20-117 aa (A8MVS5) 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 Protein HIDE1 (20-117) is a high-purity, soluble fragment of the human HIDE1 protein, designed for structural and biochemical studies. This 98-amino acid fragment offers a stable and functional unit ideal for investigating membrane protein interactions and advancing research in cellular biology. Protein HIDE1 is a human single-pass type I membrane protein, localized to the membrane, suggesting potential roles in cell signaling, adhesion, or receptor functions. While detailed functional data is limited, its membrane association highlights relevance in studying cellular communication and structural biology. The selected fragment (20-117) was computationally optimized for solubility and stability, enabling reliable experimental use without domain inclusions.