Recombinant SHSA3 protein (His tag)

Catalog Number	548878
Species	Human
Expression System	E. coli
Accession	A0PJX4
Molecular Weight	Predictes a molecular mass of 10.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	22-98
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 22-98 aa (A0PJX4) 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 Human Protein shisa-3 homolog (SHISA3) fragment (residues 22-98) is a high-quality, stable protein designed for structural and biochemical studies. This 77-amino acid fragment retains key solubility and stability features, making it ideal for investigating the role of SHISA3 in modulating FGF and WNT signaling pathways during cellular maturation. Protein shisa-3 homolog (SHISA3) is a human protein that plays an essential role in the maturation of presomitic mesoderm cells by individually attenuating both FGF and WNT signaling pathways. This regulatory function is critical for proper cellular development and differentiation processes. The full-length protein is localized to the endoplasmic reticulum membrane and is characterized as a single-pass type I membrane protein, indicating its involvement in intracellular signaling and membrane-associated processes.