Recombinant MISP3 protein (His tag)

Catalog Number	551432
Synonyms	MISP family member 3
Species	Human
Expression System	E. coli
Accession	Q96FF7
Molecular Weight	Predictes a molecular mass of 13.53 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-105
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 1-105 aa (Q96FF7) 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 MISP3 (MISP family member 3). The fragment, encompassing amino acids 1-105, has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and functional characterization. MISP3 (UniProt ID: Q96FF7) is a member of the MISP family of proteins in Homo sapiens. While the specific molecular function and subcellular localization of the full-length protein are not yet fully characterized, research into MISP family members suggests potential roles in cellular organization and signaling pathways. This recombinant fragment provides a valuable tool for researchers aiming to elucidate the structure, biochemical properties, and eventual function of this protein through in vitro studies.