Recombinant MS3L2 protein (His tag)

Catalog Number	550335
Synonyms	Male-specific lethal-3 homolog 2; Male-specific lethal-3 homolog pseudogene 1; Male-specific lethal-3 protein-like 2; MSL3-like 2
Species	Human
Expression System	E. coli
Accession	P0C860
Molecular Weight	Predictes a molecular mass of 15.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-122
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 1-122 aa (P0C860) 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 MSL3B (1-122) is a high-quality protein fragment derived from the MSL complex subunit 3B, designed for structural and biochemical studies. This 122-amino acid fragment was computationally selected for optimal stability and solubility, enabling reliable investigation into the non-catalytic role of MSL3B in histone acetylation and chromatin regulation. The full-length MSL complex subunit 3B (MSL3B) is a probable non-catalytic component of the MSL histone acetyltransferase complex in humans. This multiprotein complex mediates the majority of histone H4 acetylation at Lys-16 (H4K16ac), a critical epigenetic mark that prevents chromatin compaction and plays a key role in gene regulation and chromatin organization. MSL3B is localized to the nucleus, where it contributes to the complex's function in maintaining open chromatin states essential for transcriptional activation and cellular processes.