

Datasheet for ABIN7554620
MSL2 Protein (AA 1-577) (His tag)



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Overview

Quantity:	1 mg
Target:	MSL2
Protein Characteristics:	AA 1-577
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MSL2 Protein expressed in mammalian cells.
Sequence:	MNPVNATALY ISASRLVLNY DPGDPKAFTE INRLLPYFRQ SLSCCVCGHL LQDPIAPTNS TCQHYVCKTC KGKKMMMMPKS CSWCKDYEQF EENKQLSILV NCYKKLCEYI TQTTLARDII EAVDCSSDIL ALLNDGSLFC EETEKPSDSS FTLCLTHSPL PSTSEPTTDP QASLSPMSES TLSIAIGSSV INGLPTYNGL SIDRFGINIP SPEHSNTIDV CNTVDIKTED LSDSLPPVCD TVATDLCSTG IDICSFSEDI KPGDSLILLSV EEVLRSLQTV SNTEVCCPNL QPNLEATVSN GPFLQLSSQS LSHNVFMSTS PALHGLSCTA ATPKIAKLNK KRSRSESDSE KVQPLPISTI IRGPTLGASA PVTVKRESKI SLQPIATVPN GGTPPKISKT VLLSTKSMKK SHEHGSKKSH SKTKPGILKK DKAVKEKIPS HHFMPGSPTK TVYKKPQEKK GCKCGRATQN PSLVTCRGQR CPCYSNRKAC LDCICRGCQN SYMANGEKKL EAFVPEKAL EQTRLTLGIN VTSIAVRNAS TSTSVINVTG SPVTTFLAAS THDDKSLDEA IDMRFC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please

Product Details

contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MSL2

Alternative Name: MSL2 ([MSL2 Products](#))

Background: E3 ubiquitin-protein ligase MSL2 (EC 2.3.2.-) (E3 ubiquitin-protein transferase MSL2) (Male-specific lethal 2-like 1) (MSL2-like 1) (Male-specific lethal-2 homolog) (MSL-2) (Male-specific lethal-2 homolog 1) (RING finger protein 184),FUNCTION: Component of histone acetyltransferase complex responsible for the majority of histone H4 acetylation at lysine 16 which is implicated in the formation of higher-order chromatin structure. Acts as an E3 ubiquitin ligase that promotes monoubiquitination of histone H2B at 'Lys-35' (H2BK34Ub), but not that of H2A. This activity is greatly enhanced by heterodimerization with MSL1. H2B ubiquitination in turn stimulates histone H3 methylation at 'Lys-4' (H3K4me) and 'Lys-79' (H3K79me) and leads to gene activation, including that of HOXA9 and MEIS1. {ECO:0000269|PubMed:21726816}.

Target Details

Molecular Weight: 62.5 kDa

UniProt: [Q9HCI7](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months