

Datasheet for ABIN7554615
MSL3 Protein (AA 1-521) (His tag)



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Overview

Quantity:	1 mg
Target:	MSL3
Protein Characteristics:	AA 1-521
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSL3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MSL3 Protein expressed in mammalian cells.
Sequence:	MSASEGMKFK FHSGEKVLCF EPDPTKARVL YDAKIVDVIV GKDEKGRKIP EYLIHFNGWN RSWDRWAAED HVLRD TDENR RLQRKLARKA VARLRSTGRK KKRCRLPGVD SVLKGLPTEE KDENDENSLS SSSDCSENKD EEISEESDIE EKTEVKKEPE LQTRREMEER TITIEIPEVL KKQLEDDCY Y INRRKRLVKL PCQTNITIL ESYVKHFAIN AAFSANERPR HHHVMPHANM NVHYIPAEKN VDLCKEMVDG LRITFDYTLP LVLLYPYEQ A QYKKVTSSKF FLPIKESATS TNRSQEELSP SPPLLPSTP QSTESQPTTG EPATPKRRKA EPEALQSLRR STRHSANCDR LSESSASPQP KRRQQDTSAS MPKFLHLEK KTPVHSRSSH PIPLTPSKEG SAVFAGFEGR RTNEINEVLS WKLVPDNYPP GDQPPPPSYI YGAQHLLRLF VKLPEILGKM SFSEKNLKAL LKHFDLFLRF LAEYHDDFFP ESAYVAACEA HYSTKNPRAI Y 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 contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

MSL3

Alternative Name:

MSL3 ([MSL3 Products](#))

Background:

Male-specific lethal 3 homolog (Male-specific lethal-3 homolog 1) (Male-specific lethal-3 protein-like 1) (MSL3-like 1),FUNCTION: Has a role in chromatin remodeling and transcriptional regulation (PubMed:20018852, PubMed:20657587, PubMed:20943666, PubMed:21217699, PubMed:30224647). Has a role in X inactivation (PubMed:21217699). Component of the MSL complex which is responsible for the majority of histone H4 acetylation at 'Lys-16' which is implicated in the formation of higher-order chromatin structure (PubMed:16227571, PubMed:20657587, PubMed:16543150, PubMed:30224647). Specifically recognizes histone H4 monomethylated at 'Lys-20' (H4K20Me1) in a DNA-dependent manner and is proposed to be involved in chromosomal targeting of the MSL complex (PubMed:20657587, PubMed:20943666). {ECO:0000269|PubMed:16227571, ECO:0000269|PubMed:16543150, ECO:0000269|PubMed:20018852, ECO:0000269|PubMed:20657587, ECO:0000269|PubMed:20943666, ECO:0000269|PubMed:21217699,

Target Details

	ECO:0000269 PubMed:22547026, ECO:0000269 PubMed:30224647}.
Molecular Weight:	59.8 kDa
UniProt:	Q8N5Y2

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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