

Datasheet for ABIN7549347  
**MCRS1 Protein (AA 1-462) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MCRS1
Protein Characteristics:	AA 1-462
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCRS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat MCRS1 Protein expressed in mammalian cells.
Sequence:	MDKDSQGLLD SSLMASGTAS RSEDEESLAG QKRASSQALG TIPKRRSSSR FIKRKKFDDE LVESSLAKSS TRAKGASGVE PGRCSGSEPS SSEKKKVS KA PSTPVPPSPA PAPGLTKRVK KSKQPLQVTK DLGRWKPADD LLLINAVLQT NDLTSVHLGV KFSCRFTLRE VQERWYALLY DPVSKLACQ AMRQLHPEAI AAIQSKALFS KAEEQLLSKV GSTSQPTLET FQDLLHRHPD AFYLARTAKA LQAHWQLMKQ YYLLEDQTVQ PLPKGQQLN FSDAEDLIDD SKLKDMRDEV LEHELMVADR RQKREIRQLE QELHKWQVLV DSITGMSSPD FDNQTLAVLR GRMVRVLMRS REITLGRATK DNQIDVDLSL EGPAWKISRK QGVIKLKNNG DFFIANEGRR PIYIDGRPVL CGSKWRLSNN SVVEIASLRF VFLINQDLIA LIRAEAAKIT PQ <b>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.</b>

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

MCRS1

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### Alternative Name:

MCRS1 ([MCRS1 Products](#))

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### Background:

Microspherule protein 1 (58 kDa microspherule protein) (Cell cycle-regulated factor p78) (INO80 complex subunit J) (MCRS2),FUNCTION: Modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus (PubMed:11948183). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:20018852). Putative regulatory component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. May also be an inhibitor of TERT telomerase activity (PubMed:15044100). Binds to G-quadruplex structures in mRNA (PubMed:16571602). Binds to RNA homomer poly(G) and poly(U) (PubMed:16571602). {ECO:0000269|PubMed:11948183, ECO:0000269|PubMed:15044100, ECO:0000269|PubMed:16571602, ECO:0000269|PubMed:20018852}.

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### Molecular Weight:

51.8 kDa

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### UniProt:

[Q96EZ8](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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