

Datasheet for ABIN7549481  
**MSH5 Protein (AA 1-834) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MSH5
Protein Characteristics:	AA 1-834
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSH5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat MSH5 Protein expressed in mammalien cells.
Sequence:	MASLGANPRR TPQGPRPGAA SSGFPSPAPV PGPRAEIEEE VEEEEELAEI HLCVLWNSGY LGIAYYDTS D STIHFMPDAP DHESLKLLQR VLDEINPQSV VTSKQDENM TRFLGKLASQ EHREPKRPEI IFLPSVDFGL EISKQRLLSG NYSFIPDAMT ATEKILFLSS IIPFDCLLTV RALGGLLKFL GRRRIGVELE DYNVSVPILG FKKFMLTHLV NIDQDTYSVL QIFKSESHPS VYKVASGLKE GLSLFGILNR CHCKWGEKLL RLWFTRPETH LGELSSRLDV IQFFLLPQNL DMAQMLHRL GHIKNVPLIL KRMKLSHTKV SDWQVLYKTV YSALGLRDAC RSLPQSIQLF RDIAQEFSSD LHHIASLIGK VVDFEGLAE NRFTVLPNID PEIDEKKRRL MGLPSFLTEV ARKELENLDS RIPSCSVIYI PLIGFLLSIP RLPSMVEASD FEINGLDFMF LSEEKHYRS ARTKELDALL GDLHCEIRDQ ETLLMYQLQC QVLARAALVT RVLDLASRLD VLLALASAAR DYGYSRPRYS PQVLGVRIQN GRHPLMELCA RTFVFNSTEC GGDKGRVKVI TGPNSSGKSI YLKQVGLITF MALVGSFVPA EEAEIGAVDA IFTRIHSCES ISLGLSTFMI DLNQVAKAVN NATAQSLVLI

## Product Details

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DEFGKGTNTV DGLALLAAVL RHWLARGPTC PHIFVATNFL SLVQLQLLPQ GPLVQYLTMETCEDGNLDFV FYQVCEGVAK ASHASHTAAQ AGLPDKLVAR GKEVSDLIRS GKPIKPVKDL LKKNQMENCQ TLVDKFMKLD LEDPNLDLNV FMSQEVLPAA TSIL **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.**

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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

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## Target Details

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### Target:

MSH5

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### Alternative Name:

MSH5 ([MSH5 Products](#))

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### Background:

MutS protein homolog 5 (hMSH5),FUNCTION: Involved in DNA mismatch repair and meiotic recombination processes. Facilitates crossovers between homologs during meiosis (By similarity). {ECO:0000250}.

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### Molecular Weight:

92.9 kDa

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### UniProt:

[O43196](#)

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### Pathways:

[M Phase](#)

## 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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