

Datasheet for ABIN7564906

MSH4 Protein (AA 1-958) (His tag)



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Overview

Quantity:	1 mg
Target:	MSH4
Protein Characteristics:	AA 1-958
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSH4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Msh4 Protein expressed in mammalian cells.
Sequence:	<p>MCCLFLRLRD YSTAHALSLP PCQRCGLQPW SARSHARRTL GVRKAGEMLR QEASLSSSP</p> <p>RWTPSRRDAP CGRTLASASR PSTEGAMADR SSSSSSSPAP ASAPGSSFGN KRSYAIHRAA</p> <p>SSFPVGTSSS SARDTTYPHT FRTPLSAGNP QRSCHKSWTP QVGYSATSSA VSAHAPSVIV</p> <p>AVVEGRGLAR GEIGMASIDL KSPQIMLSQF ADNTTYAKVI TKLQVLSPLE IIMSNTACVV</p> <p>GNSTKLFTLI TENFKNVNFT TVQRKYFNET KGLEIEQLC IAEFSSVLME VQSRYYCLAA</p> <p>AAALLKYVEF IQNSVYAPKS LKIYFQGSEQ TAMIDSSSAQ NLELLVNNQD YRSNHTLFGV</p> <p>LNYTKTAGGS RRLRSNILEP LVDVETISMR LDCVQELLQD EELFFGLQSV ISRFLDTEQL</p> <p>LSVLVQIPKQ DTVNAAESKI TNLIYKHTL ELVEPLKVTL KNCSTPLLRA YYGSLEDHRF</p> <p>GLILDKIKTV INDDARYMKG CLNMRTQKCY AVRSNISEFL DIARRTYTEI VDDIAGMIAQ</p> <p>LAEKYSLPLR TSFSSSRGFF IQMTTDCAL SSDQLPSEFI KISKVKNSYS FTSADLIKMN</p> <p>ERCQESLREI YHMTYMIVCK LLSEIYEHIIH CLYKLSDTV SMLDMLLSFAH ACTLSDYVRP</p> <p>EFTDTLAIKQ GWHPILEKIS AEKPVANNTY ITEGSNVLII TGPNMMSGKST YLKQIALCQI</p>

Product Details

MAQIGSYVPA EYASFRIAAQ IFTRISTDDD IETNSSTFMK EMKEIAYILH NANDKSLILI
DELGRGTNTE EGIGISYAVC EHLLSIKAFK LFTTHFLELC HLDALYLNVE NMHFEVQHVK
NTSRNKDAIL YTYKLSRGLT EEKNYGLKAA EASSLPSSIV LDARDITTQI TRQILQNQRS
SPEMDRQRAV YHLATRLVQA ARNSQLEPDR LRTYLSNLKK KYAGDFPRV GLPEKTEE

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.

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: MSH4

Alternative Name: Msh4 ([MSH4 Products](#))

Background: MutS protein homolog 4 (mMsh4),FUNCTION: Involved in meiotic recombination. Required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis.

Molecular Weight: 107.0 kDa

Target Details

UniProt: [Q99MT2](#)

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