

Datasheet for ABIN7561724
MSH5 Protein (AA 1-833) (His tag)



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Overview

Quantity:	1 mg
Target:	MSH5
Protein Characteristics:	AA 1-833
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSH5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Msh5 Protein expressed in mammalian cells.
Sequence:	<p>MAFRATPGRT PPGPGPRSGI PSASFPSPQP PMAGPGGIEE EDEEPAEIH LCVLWSSGYL GIAYYDTSDS TIHFMPDAPD HESLKLQRV LDEINPQSVV TSAKQDEAMT RFLGKLASEE HREPKGPEII LLPSVDFGPE ISKQRLLSGN YSFISDSMTA TEKILFLSSI IPFDCVLTVR ALGGLLKFLS RRRIGVELED YDVGVPILGF KKFVLTHLVS IDQDTYSVLQ IFKSESHPSV YKVASGLKEG LSLFGILNRC RCKWQKLLR LWFTRPTREL RELNSRLDVI QFFLMPQNLQ MAQMLHRLLS HIKNVPLILK RMKLSHTKVS DWQVLYKTVY SALGLRDACR SLPQSIQLFQ DIAQEFSDLL HHIASLIGKV VDFEESLAEN RFTVLPNIDP DIDAKRRLI GLPSFLTEVA QKELENLDSR IPSCSVIYIP LIGFLLSIPR LPFMVEASDF EIEGLDFMFL SEDKLHYRSA RTKELDTLLG DLHCEIRDQE TLLMYQLQCQ VLARASVLTR VLDLASRLDV LLALASAARD YGYSRPHYSP CIHGVRIRNG RHPLMELCAR TFVFNSTDCG GDQGRVKVIT GPNSSGKSIY LKQVGLITFM ALVGSFVPAE EAEIGVIDAI FTRIHSCESI SLGLSTFMID LNQVAKAVNN ATEHSLVLID EFGKGTNSVD GLALLAAVLR HWLALGPSCP HVFVATNFLS LVQLQLLPQG PLVQYLTMET CEDGEDLVFF</p>

Product Details

YQLCQGVASA SHASHTAAQA GLPDPLIARG KEVSDLIRSG KPIKATNELL RRNQMENCQA

LVDKFLKLDL EDPTLDDIF ISQEVLPAAAP TIL **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: MSH5

Alternative Name: Msh5 ([MSH5 Products](#))

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

Molecular Weight: 92.6 kDa

UniProt: [Q9QUM7](#)

Target Details

Pathways: [M Phase](#)

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