

Datasheet for ABIN7554627

MSH4 Protein (AA 1-936) (His tag)



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Overview

Quantity:	1 mg
Target:	MSH4
Protein Characteristics:	AA 1-936
Origin:	Human
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:	MLRPEISSTS PSAPAVSPSS GETRSPQGPR YNFGLETPQ SRPSVQVSA STCPGTSGAA GDRSSSSSSL PCPAPNSRPA QGSYFGNKRA YAENTVASNF TFGASSSSAR DTNYPQTLKT PLSTGNPQRS GYKSWTPQVG YSASSSSAIS AHSPSVIVAV VEGRLARGE IGMASIDLKN PQILSQFAD NTTYAKVITK LKILSPLEII MSNTACAVGN STKLFTLITE NFKNVNFTTI QRKYFNETKG LEYIEQLCIA EFSTVLMVQ SKYYCLAAVA ALLKYVEFIQ NSVYAPKSLK ICFQGSEQTA MIDSSSAQNL ELLINNQDYR NNHTLFGVLN YTKTPGGSRR LRSNILEPLV DIETINMRDL CVQELLQDEE LFFGLQSVIS RFLDTEQLLS VLVQIPKQDT VNAAESKITN LIYKHTLEL VDPLKIAMKN CNTPLLRAYY GSLEDKRFGI ILEKIKTVIN DDARYMKGCL NMRTQKCYAV RSNINEFLDI ARRTYTEIVD DIAGMISQLG EKYSPLPLRTS FSSARGFFIQ MTTDCIALPS DQLPSEFIKI SKVKNSYSFT SADLIKMNER CQESLREIYH MTYMIVCKLL SEIYEHIHCL YKLSDTVSM LMLLSFAHAC TLDYVRPEF TDLAIKQGW HPILEKISAE KPIANNITYVT EGSNFLIITG PNMSGKSTYL KQIALCQIMA QIGSYVPAEY SSFRIAKQIF

Product Details

TRISTDDIE TNSSTFMKEM KEIAYILHNA NDKSLILIDE LGRGTNTEEG IGICYAVCEY
LLSLKAFTLF ATHFLELCHI DALYPNVENM HFEVQHVKNR SRNKEAILYT YKLSKGLTEE
KNYGLKAAEV SSLPPSIVLD AKEITTQITR QILQNQRSTP EMERQRAVYH LATRLVQTAR
NSQLDPDSLR IYLSNLKKKY KEDFPRTEQV PEKTEE **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 (hMSH4),FUNCTION: Involved in meiotic recombination. Required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis.

Molecular Weight: 104.8 kDa

Target Details

UniProt: [O15457](#)

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