

Datasheet for ABIN7549616

MUTYH Protein (AA 1-546) (His tag)



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Overview

Quantity:	1 mg
Target:	MUTYH
Protein Characteristics:	AA 1-546
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MUTYH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MUTYH Protein expressed in mammalian cells.
Sequence:	MTPLVSRLSR LWAIMRKPR A VGSGHRKQA ASQEGRQKHA KNNSQAKPSA CDGMIAECPG APAGLARQPE EVVLQASVSS YHLFRDVAEV TAFRGSLLSW YDQEKRDLPW RRAEDEM DL DRRAYAVWVS EVMLQQTQVA TVINYTGWM QKWPTLQDLA SASLEEVNQL WAGLGYYSRG RRLQEGARKV VEELGGHMPR TAETLQQLP GVGRYTAGAI ASIAFGQATG VVDGNVARVL CRVRAIGADP SSTLVSQQLW GLAQQLVDP A R PGDFNQAAM ELGATVCTPQ RPLCSQCPVE SLCRARQRVE QEQLLASGSL SGSPDVEECA PNTGQCHLCL PPSEPWDQTL GVVNFPRKAS RKPPREESSA TCVLEQPGAL GAQILLVQRP NSGLLAGLWE FPSVTWEPSE QLQRKALLQE LQRWAGPLPA THLRHLGEVV HTFSHIKLT Y QVYGLALEGQ TPVTTVPPGA RWLTQEEFHT AAVSTAMKKV FRVYQGQQPG TCMGSKRSQV SSPCSRKKPR MGQQVLDNFF RSHISTDAHS LNSAAQ 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.

Product Details

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:	MUTYH
Alternative Name:	MUTYH (MUTYH Products)
Background:	Adenine DNA glycosylase (EC 3.2.2.31) (MutY homolog) (hMYH),FUNCTION: Involved in oxidative DNA damage repair. Initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities. {ECO:0000269 PubMed:10684930, ECO:0000269 PubMed:20418187, ECO:0000269 PubMed:20848659, ECO:0000269 PubMed:25820570, ECO:0000269 PubMed:26694661}.
Molecular Weight:	60.1 kDa
UniProt:	Q9UIF7
Pathways:	DNA Damage Repair

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