

Datasheet for ABIN7547571 EXO5 Protein (AA 1-373) (His tag)



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Overview

Quantity:	1 mg
Target:	EXO5
Protein Characteristics:	AA 1-373
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EXO5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant EXO5 Protein expressed in mammalian cells.
Sequence:	MAETREEETV SAEASGFSDL SDSEFLEFLD LEDAQESKAL VNMPGPSSSES LGKDDKPISL QNWKRGDLIL SPMERFHLKY LYVTDLATQN WCELQTAYGK ELPGLAPEK AAVLDTGASI HLARELELHD LVTVPVTTKE DAWAIKFLNI LLLIPTLQSE GHIREFPVFG EGEGVLLVGV IDELHYTAKG ELELAELKTR RRPMLPLEAQ KKKDCFQVSL YKYIFDAMVQ GKVTPASLIH HTKLCLEKPL GPSVLRHAQQ GGFSVKSLGD LMELVFLSLT LSDLPVIDIL KIEYIHQETA TVLGTEIVAF KEKEVRKAVQ HYMAYWMGHR EPQGVDEVEA WKCRCTYAD ICEWRKGS LSSTLAPQVK KAK 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:

Product Details

- 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:	EXO5
Alternative Name:	EXO5 (EXO5 Products)
Background:	Exonuclease V (Exo V) (hExo5) (EC 3.1.-.-) (Defects in morphology protein 1 homolog),FUNCTION: Single-stranded DNA (ssDNA) bidirectional exonuclease involved in DNA repair. Probably involved in DNA repair following ultraviolet (UV) irradiation and interstrand cross-links (ICLs) damage. Has both 5'-3' and 3'-5' exonuclease activities with a strong preference for 5'-ends. Acts as a sliding exonuclease that loads at ssDNA ends and then slides along the ssDNA prior to cutting, however the sliding and the 3'-5' exonuclease activities are abolished upon binding to the replication protein A (RPA) complex that enforces 5'-directionality activity. {ECO:0000269 PubMed:23095756}.
Molecular Weight:	41.8 kDa
UniProt:	Q9H790

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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