Datasheet for ABIN7551462

Ribonuclease H1 Protein (RNASEH1) (AA 1-286) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Ribonuclease H1 (RNASEH1)
Protein Characteristics:	AA 1-286
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ribonuclease H1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RNASEH1 Protein expressed in mammalien cells.
Sequence:	MSWLLFLAHR VALAALPCRR GSRGFGMFYA VRRGRKTGVF LTWNECRAQV DRFPAARFKK FATEDEAWAF VRKSASPEVS EGHENQHGQE SEAKASKRLR EPLDGDGHES AEPYAKHMKP SVEPAPPVSR DTFSYMGDFV VVYTDGCCSS NGRRRPRAGI GVYWGPGHPL NVGIRLPGRQ TNQRAEIHAA CKAIEQAKTQ NINKLVLYTD SMFTINGITN WVQGWKKNGW KTSAGKEVIN KEDFVALERL TQGMDIQWMH VPGHSGFIGN EEADRLAREG AKQSED **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

	• Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	Ribonuclease H1 (RNASEH1)
Alternative Name:	RNASEH1 (RNASEH1 Products)
Background:	Ribonuclease H1 (RNase H1) (EC 3.1.26.4) (Ribonuclease H type II),FUNCTION: Endonuclease that specifically degrades the RNA of RNA-DNA hybrids (PubMed:10497183). Plays a role in RNA polymerase II (RNAp II) transcription termination by degrading R-loop RNA-DNA hybrid formation at G-rich pause sites located downstream of the poly(A) site and behind the elongating RNAp II (PubMed:21700224). {ECO:0000269|PubMed:10497183, ECO:0000269|PubMed:21700224}.
Molecular Weight:	32.1 kDa
UniProt:	O60930

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

