

Datasheet for ABIN7555247

DROSHA Protein (AA 1-1374) (His tag)



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Overview

Quantity:	1 mg
Target:	DROSHA
Protein Characteristics:	AA 1-1374
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DROSHA protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DROSHA Protein expressed in mammalian cells.
Sequence:	MMQGNTCHRM SFHPGRGCPR GRGGHGARPS APSFRPQNLRL LHPQPPVQ YQYEPPSAPS TTFSNSPAPN FLPPRPDFVP FPPPMPPSAQ GPLPPCPIRP PFPNHQMRHP FPVPPCFPPM PPPMPCNNP PVPGAPPGQG TFPFMMPPPS MPHPPPPVPM PQQVNYQYPP GYSHHNFPPP SFNSFQNNPS SFLPSANNSS SPHFRHLPPY PLPKAPSERR SPERLKHYDD HRHRDHSRGR GERHRSLDRR ERGRSPDRRR QDSRYRSDYD RGRTPSRHRS YERSRERERE RHRHRDNRRS PSLERSYKKE YKRSGRSYGL SVVPEPAGCT PELPGEIKN TDSWAPPLEI VNHRSPSREK KRARWEEEEKD RWSDNQSSGK DKNYTSIKEK EPEETMPDKN EEEEEELLKP VWIRCTHSEN YYSSDPMDQV GDSTVVGTSR LRDLYDKFEE ELGSRQEKAK AARPPWEPPK TKLDEDLESS SESECESEDED STCSSSSDSE VFDVIAEIKR KKAHPDRLHD ELWYNDPGQM NDGPLCKCSA KARRTGIRHS IYPGEEAIKP CRPMTNNAGR LFHYRITVSP PTNFLTDRPT VIEYDDHEYI FEGFSMFAHA PLTNIPLCKV IRFNIDYTIH FIEEMMPENF CVKGLELFSL FLFRDILELY

DWNLKGPLFE DSPPCCPRFH FMPRFVRFLP DGGKEVLSMH QILLYLLRCS KALVPEEEIA
NMLQWEELEW QKYAEECKGM IVTNPGTKPS SVRIDQLDRE QFNPDVITFP IIVHFGIRPA
QLSYAGDPQY QKLWKSYYKL RHLLANSPKV KQTDKQKLAQ REEALQKIRQ KNTMRREVTY
ELSSQGFWKT GIRSDVCQHA MMLPVLTHHI RYHQCLMHL D KLIGYTFQDR CLLQLAMTHP
SHHLNFGMNP DHARNLSLNC GIRQPKYGDR KVHHMHMRKK GINTLINIMS RLGQDDPTPS
RINHNERLEF LGDAVVEFLT SVHLYYLFPS LEEGGLATYR TAIVQNQH LA MLAKKLELDR
FMLYAHGPD L CRESDLRHAM ANCFEALIGA VYLEGSLEEA KQLFGRLLFN DPDLREVWLN
YPLHPLQLQE PNTDRQLIET SPVLQKLTEF EEAIGVIFTH VRLLARAFTL RTVGFNH LTL
GHNQRMEFLG DSIMQLVATE YLFHFPDHH EGHLTLLRSS LVNNRTQAKV AEELGMQEYA
ITNDKTKRPV ALRTKTLADL LESFIAALYI DKDLEYVHTF MNVCFFPRLK EFILNQDWND
PKSQLQQCCL TLRTGKEPD IPLYKTLQTV GPSHARTYTV AVYFKGERIG CGKGPSIQQA
EMGAAMDALE KYNFPQMAHQ KRFIERYK RQ ELKEMRWERE HQEREPEDETE DIKK **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.
- 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, Western Blot

Grade:

custom-made

Target Details

Target:

DROSHA

Target Details

Alternative Name:	DROSHA (DROSHA Products)
Background:	Ribonuclease 3 (EC 3.1.26.3) (Protein Drosha) (Ribonuclease III) (RNase III) (p241),FUNCTION: Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies. {ECO:0000269 PubMed:10948199, ECO:0000269 PubMed:14508493, ECO:0000269 PubMed:15531877, ECO:0000269 PubMed:15565168, ECO:0000269 PubMed:15574589, ECO:0000269 PubMed:15589161, ECO:0000269 PubMed:16751099, ECO:0000269 PubMed:16906129, ECO:0000269 PubMed:17159994, ECO:0000269 PubMed:26027739, ECO:0000269 PubMed:26748718}.
Molecular Weight:	159.3 kDa
UniProt:	Q9NRR4
Pathways:	Regulatory RNA Pathways

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.

Handling

Expiry Date: 12 months