Datasheet for ABIN7563821

DROSHA Protein (AA 1-1373) (His tag)

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Overview

Quantity:	1 mg
Target:	DROSHA
Protein Characteristics:	AA 1-1373
Origin:	Mouse
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 mammalien cells.
Sequence:	MQGNTCHRMS YHPGRGCPRG RGGHGARPSA PAFRPQNLRL LHPQQPPAQY QYEPPSAPSS SYSNSQAPSF MPPRPDFVPY PPPAAPSAQG PLPPCPVRPP YPNHQMRHPF PVPPCFPPMP PPMPCPNNPP ASGAPPGQGT FPFMVPPPSM PHPPPPPVMP QQVNYQYPPG YSHSFPPPGF NSYQNNSSSF PPSANSSSTP HFRHLPPYSL PKAQNERRSP ERLKHYDDHR HRDHSHGRGE RHRSLERRER GRSPERRRPE SRYRSDYDRG RTPPPRHRSY ERSRERDRER HRHREARRSP SLERSYKKEY KRSGRSYALP VAPEPAGCTP ELPGEMIKTT ESWAPPPENV NHRSPSREKK RARWEEEKDR WSDSQGSGKE KNYTSIKEKE AEEVPPEKTE EEEEELLKPV WIRCTHSESY YSSDPMDQVG DSTVVGTSRL RDLYDKFEEE LGNRQEKAKA ARPPWEPPKT KLDEDLESSS ESECETDDDS TCSSSSDSEV FDVIAEIKRK KAHPDRLHDE LWYNDPGQMN DGPLCKCSAK ARRTGIRHSI YPGEEAIKPC RPMTNNAGRL FHYRITVSPP TNFLTDRPTV IEYDDHEYIF EGFSMFAHAP LTNIPLCKVI RFNIDYTIHF IEEMMPENFC VKGLELFSLF LFRDILELYD

Product Details

	WNLKGPLFED SPPCCPRFHF MPRFVRFLPD GGKEVLSMHQ ILLYLLRCSK ALVPEEEIAN MLQWEELEWQ KYAEECKGMI VTNPGTKPSS VRIDQLDREQ FNPEVITFPI IVHFGIRPAQ LSYAGDPQYQ KLWKSYVKLR HLLANSPKVK QTDKQKLAQR EEALQKIRQK NTMRREVTVE LSSQGFWKTG IRSDVCQHAM MLPVLTHHIR YHQCLMHLDK LIGYTFQDRC LLQLAMTHPS HHLNFGMNPD HARNSLSNCG IRQPKYGDRK VHHMHMRKKG INTLINIMSR LGQDDPTPSR INHNERLEFL GDAVVEFLTS VHLYYLFPSL EEGGLATYRT AIVQNQHLAM LAKKLELDRF MLYAHGPDLC RESDLRHAMA NCFEALIGAV YLEGSLEEAK QLFGRLLFND PDLREVWLNY PLHPLQLQEP NTDRQLIETS PVLQKLTEFE EAIGVIFTHV RLLARAFTLR TVGFNHLTLG HNQRMEFLGD SIMQLVATEY LFIHFPDHHE GHLTLLRSSL VNNRTQAKVA EELGMQEYAI TNDKTKRPVA LRTKTLADLL ESFIAALYID KDLEYVHTFM NVCFFPRLKE FILNQDWNDP KSQLQQCCLT LRTEGKEPDI PLYKTLQTVG PSHARTYTVA VYFKGERIGC GKGPSIQQAE MGAAMDALEK YNFPQMAHQK RFIERKYRQE LKEMRWEREH QEREPEEAED IKK **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 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:	DROSHA

Target Details

Alternative Name:	Drosha (DROSHA Products)
Background:	Ribonuclease 3 (EC 3.1.26.3) (Protein Drosha) (Ribonuclease III) (RNase III),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 (PubMed:26255770). 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:0000250|UniProtKB:Q9NRR4, ECO:0000269|PubMed:26255770}.
Molecular Weight:	158.8 kDa
UniProt:	Q5HZJ0
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.
Expiry Date:	12 months