

Datasheet for ABIN7561661
ISG20 Protein (AA 1-300) (His tag)



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Overview

Quantity:	1 mg
Target:	ISG20
Protein Characteristics:	AA 1-300
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISG20 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Isg20 Protein expressed in mammalien cells.
Sequence:	<p>MAGIPEVVAM DCEMVGLGPQ RVSGLARCSI VNIHGAVLYD KYIRPEGEIT DYRTQVSGVT PQHMRATPF GEARLEILQL LKGKLVVGH D LKHDFNALKE DMSKYTIYDT STDRLLWHEA KLQYYSRVSL RLLCKRLLHK NIQVLP GSLL GVGGCILPGT DILHLLLYVG MVRIADLRLL TPFLPPSCLA CPLLPESLAS ARSHAVISAL SSSSHLLTPL PNPSQGPQGH VDRLSGQLQD WGGSP LAPAL PVSAEQLAGP LLCGR CQGHN GALQNLSATQ SPARAALPWD VRLNFILIQG</p> <p>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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	ISG20
Alternative Name:	Isg20 (ISG20 Products)
Background:	<p>Interferon-stimulated gene 20 kDa protein (EC 3.1.13.1) (Promyelocytic leukemia nuclear body-associated protein ISG20) (Protein DnaQL),FUNCTION: Interferon-induced antiviral exoribonuclease that acts mainly on single-stranded RNA. Inhibition of several viruses does not involve the degradation of viral RNAs, but rather the inhibition of translation of viral proteins (PubMed:30232164). Exerts a translational control over a large panel of non-self RNA substrates while sparing endogenous transcripts. This activity correlates with the protein's ability to localize in cytoplasmic processing bodies (PubMed:31600344). May also act as master regulator of over hundred interferon stimulated genes leading to viral genome translation inhibition (PubMed:30232164). May play additional roles in the maturation of snRNAs and rRNAs, and in ribosome biogenesis (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q96AZ6, ECO:0000269 PubMed:30232164, ECO:0000269 PubMed:31600344}.</p>
Molecular Weight:	32.5 kDa
UniProt:	Q9JL16

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.
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Restrictions:	For Research Use only
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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