

Datasheet for ABIN7562844
OAS1A Protein (AA 1-367) (His tag)



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Overview

Quantity:	1 mg
Target:	OAS1A
Protein Characteristics:	AA 1-367
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OAS1A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Oas1a Protein expressed in mammalien cells.
Sequence:	MEHGLRSIPA WTLDKFIEDY LLPDTTFGAD VKSAVNVVCD FLKERCFQGA AHPVRVSKVV KGGSSGKGT LKGKSDADLV VFLNNLTSFE DQLNRRGEFI KEIKKQLYEV QHERRFRVKF EVQSSWWPNA RLSFKLSAP HLHQEVEFDV LPAFDVLGHV NTSSKPDPRI YAILIEECTS LGKDGFEFSTC FTELQRNFLK QRPTKLKSLI RLVKHWYQLC KEKLGKPLPP QYALELLTVF AWEQNGGCYE FNTAQGFRTV LELVINYQHL RIYWTKYYDF QHQEVSKYLH RQLRKARPM LDPADPTGNV AGGNPEGWRR LAEEADVWLW YPCFIKKGDS RVSSWDVPTV VPVPFEQVEE NWTICILL 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:

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	OAS1A
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Alternative Name:	Oas1a (OAS1A Products)
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Background:	<p>2'-5'-oligoadenylate synthase 1A ((2-5')oligo(A) synthase 1A) (2-5A synthase 1A) (EC 2.7.7.84) (p42 OAS),FUNCTION: Interferon-induced, dsRNA-activated antiviral enzyme which plays a critical role in cellular innate antiviral response. In addition, it may also play a role in other cellular processes such as apoptosis, cell growth, differentiation and gene regulation. Synthesizes higher oligomers of 2'-5'-oligoadenylates (2-5A) from ATP which then bind to the inactive monomeric form of ribonuclease L (RNase L) leading to its dimerization and subsequent activation. Activation of RNase L leads to degradation of cellular as well as viral RNA, resulting in the inhibition of protein synthesis, thus terminating viral replication. Can mediate the antiviral effect via the classical RNase L-dependent pathway or an alternative antiviral pathway independent of RNase L. {ECO:0000269 PubMed:12396720, ECO:0000269 PubMed:34581622}.</p>
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Molecular Weight:	42.4 kDa
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UniProt:	P11928
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Target Details

Pathways: [Hepatitis C](#)

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