Datasheet for ABIN7565298

OASL2 Protein (AA 1-508) (His tag)

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Overview

Quantity:	1 mg
Target:	OASL2
Protein Characteristics:	AA 1-508
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OASL2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Oasl2 Protein expressed in mammalien cells.
Sequence:	MDPFPDLYAT PGDSLDHFLE HSLQPQRDWK EEGQDAWERI ERFFREQCFR DELLLDQEVR VIKVVKGGSS GKGTTLNHRS DQDMILFLSC FSSFEEQARN REVVISFIKK RLIHCSRSLA YNIIVLTHRE GKRAPRSLTL KVQSRKTDDI IWMDILPAYD ALGPISRDSK PAPAIYETLI RSKGYPGDFS PSFTELQRHF VKTRPVKLKN LLRLVKFWYL QCLRRKYGRG AVLPSKYALE LLTIYAWEMG TESSDSFNLD EGFVAVMELL VNYRDICIYW TKYYNFQNEV VRNFLKKQLK GDRPIILDPA DPTNNLGRRK GWEQVAAEAA FCLLQVCCTT VGPSERWNVQ RARDVQVRVK QTGTVDWTLW TNPYSPIRKM KAEIRREKNF GGELRISFQE PGGERQLLSS RKTLADYGIF SKVNIQVLET FPPEILVFVK YPGGQSKPFT IDPDDTILDL KEKIEDAGGP CAEDQVLLLD DEELEDDESL KELEIKDCDT IILIRVID **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.**

Product Details

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:	OASL2
Alternative Name:	Oasl2
Background:	2'-5'-oligoadenylate synthase-like protein 2 (EC 2.7.7.84) (54 kDa 2'-5'-oligoadenylate synthase-like protein) (p54 OASL) (M1204),FUNCTION: Interferon-induced, dsRNA-activated antiviral enzyme which plays a critical role in cellular innate antiviral response. Synthesizes 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:12799444}.
Molecular Weight:	58.8 kDa
UniProt:	Q9Z2F2

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

