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Product datasheet for AR09258PU-L

OAS1 / OIAS (1-364, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	OAS1 / OIAS (1-364, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MMDLRNTPAK SLDKFIEDYL LPDTCFRMQI NHAIDIICGF LKERCFRGSS YPVCVSKVVK GGSSGKGTTL RGRSDADLVV FLSPLTTFQD QLNRRGEFIQ EIRRQLEACQ RERAFSVKFE VQAPRWGNPR ALSFVLSSLQ LGEGVEFDVL PAFDALGQLT GSYKPNPQIY VKLIEECTDL QKEGEFSTCF TELQRDFLKQ RPTKLKSLIR LVKHWYQNCK KKLGKLPPQY ALELLTVYAW ERGSMKTHFN TAQGFRTVLE LVINYQQLCI YWTKYYDFKN PIIEKYLRRQ LTKPRPVILD PADPTGNLGG GDPKGWRQLA QEAEAWLNYP CFKNWDGSPV SSWILLVRPP ASSLPFIPAP LHEA
Tag:	His-tag
Predicted MW:	43.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol and 1 mM DTT
Endotoxin:	< 1.0 EU per 1 μg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant OAS1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001027581
Locus ID:	4938
UniProt ID:	P00973, F8VXY3

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Cytogenetics: 12q24.13

Synonyms: E18/E16; IFI-4; OIAS; OIASI

Summary: This gene is induced by interferons and encodes a protein that synthesizes 2',5'-oligoadenylates (2-5As). This protein activates latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. Alternative splicing results in multiple transcript variants with different enzymatic activities. Polymorphisms in this gene have been associated with susceptibility to viral infection and diabetes mellitus, type 1. A disease-associated allele in a splice acceptor site influences the production of the p46 splice isoform. This gene is located in a cluster of related genes on chromosome 12. [provided by RefSeq, Feb 2016]

Protein Families: Druggable Genome

Product images: