

Product datasheet for **TP300696L**

OAS1 (NM_002534) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 2',5'-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200696 protein sequence Red =Cloning site Green =Tags(s)

MMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDIICGFLKERCFRGSSYPVCVSKVWKGSSGKGTTL
RGRSDADLVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRALSFLVSSLQ
LGEGVEFDVLPAFDALGQLTGSYKPNPQIYVKLIEECTDLQKEGEFSTCFTELQRDFLKQRPTKLKSLIR
LVKHWHYQNCKKKLGLKPPQYALELLTVYAWERGSMTKHFNTAQGFRTVLELVINYQQLCIYWTKYYDFKN
PIIEKYLRRQLTKPRPVILDPADPTGNLGGGDPKGWRQLAQEAEAWLNYPCFKNWDGSPVSSWILLVRPP
ASSLPFIPAPLHEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002525</u>



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Locus ID: 4938

UniProt ID: [P00973](#), [F8VXY3](#)

RefSeq Size: 1470

Cytogenetics: 12q24.13

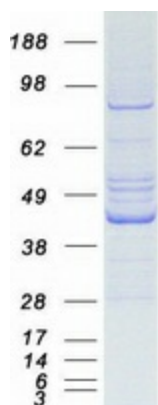
RefSeq ORF: 1092

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:



Coomassie blue staining of purified OAS1 protein (Cat# [TP300696]). The protein was produced from HEK293T cells transfected with OAS1 cDNA clone (Cat# [RC200696]) using MegaTran 2.0 (Cat# [TT210002]).