

Product datasheet for PH300696

OAS1 (NM_002534) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OAS1 MS Standard C13 and N15-labeled recombinant protein (NP_002525)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200696
Predicted MW:	41.8 kDa
Protein Sequence:	>RC200696 protein sequence Red=Cloning site Green=Tags(s) MMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDIICGFLKERCFRGSSYPVCVSKVVKGGSSGKGTTL RGRSDADLVVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRALSFLVSSLQ LGEGVEFDVLPAFDALGQLTGSYKPNPQIYVKLIEECTDLQKEGEFSTCFTELQRDFLKQRPTKLSLIR LVKHWHYQNCKKKLGLKLPQYALELLTVYAWERGSMKTHFNQAQGFRTVLELVINYQQLCIYWKYDFKN PIIEKYLRRQLTKPRPVILDPADPTGNLGGDPKGWRQLAQEAELNYPCKNWDGSPVSSWILLVRPP ASSLPFIPAPLHEA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002525</u>
RefSeq Size:	1470
RefSeq ORF:	1092
Synonyms:	E18/E16; IFI-4; OIAS; OIASI
Locus ID:	4938



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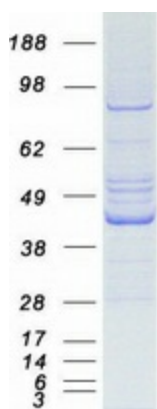
UniProt ID: [P00973](#), [F8VXY3](#)

Cytogenetics: 12q24.13

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]).