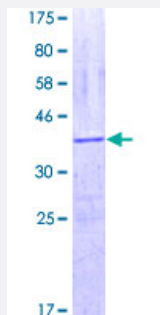


OAS1 (Human) Recombinant Protein (Q01)

Catalog # H00004938-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OAS1 partial ORF (AAH00562, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SVSRRDKSKQVWEAVLLPLSLLSMMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDICGFLKER CFRGSSYPVCVSKVVKGSSGKGTTLRGRSDAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (69)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OAS1

Entrez GeneID [4938](#)

GeneBank Accession# [BC000562](#)

Protein Accession# [AAH00562](#)

Gene Name OAS1

Gene Alias IFI-4, OIAS, OIASI

Gene Description 2',5'-oligoadenylate synthetase 1, 40/46kDa

Omim ID [164350](#) [222100](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses a deinosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. The three known members of this gene family are located in a cluster on chromosome 12. Mutations in this gene have been associated with host susceptibility to viral infection. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations (2'-5') oligoadenylate synthetase 1|2',5'-oligo A synthetase 1|2',5'-oligoadenylate synthetase 1|2',5'-oligoadenylate synthetase 1 (40-46 kD)|2'-5' oligoadenylate synthetase 1 p48 isoform|2'-5' oligoadenylate synthetase 1 p52 isoform|2'-5'-oligoisadenyla

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Severe Acute Respiratory Syndrome](#)
- [West Nile Fever](#)