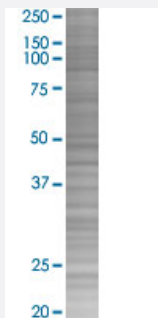


OAS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004938-T03

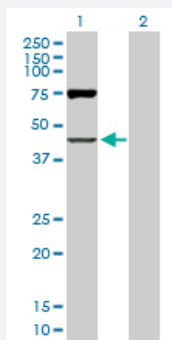
Size 100 uL

Applications



SDS-PAGE Gel

OAS1 transfected lysate.



Western Blot

Lane 1: OAS1 transfected lysate (40.04 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-OAS1 full-length
Host	Human
Theoretical MW (kDa)	40.04
Interspecies Antigen Sequence	Mouse (70)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-OAS1 antibody ([H00004938-D03P](#)) by Western Blots.
SDS-PAGE Gel
OAS1 transfected lysate.
Western Blot
Lane 1: OAS1 transfected lysate (40.04 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — OAS1

Entrez GeneID[4938](#)**GeneBank Accession#**[BC000562.1](#)**Protein Accession#**[AAH00562.1](#)**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 deoxyribose 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'-oligoisoadenyla

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](#)