

## Recombinant Human OAS1 293 Cell Lysate

**Cat. No.** OAS1-3615HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for 2,5-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">OAS1 2-5-oligoadenylate synthetase 1, 40/46kDa [ Homo sapiens ]</a>
<b>Official Symbol</b>	OAS1
<b>Synonyms</b>	OAS1; 2-5-oligoadenylate synthetase 1, 40/46kDa; 2,5 oligoadenylate synthetase 1 (40 46 kD) , OIAS; 2-5-oligoadenylate synthase 1; IFI 4; OIASI; E18/E16; p46/p42 OAS; 2-5A synthase 1; 2-5A synthetase 1; (2-5)oligo(A) synthase 1; 2,5-oligo A synthetase 1; (2-5)oligo(A) synthetase 1; 2-5-oligoisoadenylate synthetase 1; 2,5-oligoadenylate synthetase 1, 40/46kDa; 2-5 oligoadenylate synthetase 1 p48 isoform; 2-5 oligoadenylate synthetase 1 p52 isoform; OIAS; IFI-4;
<b>Gene ID</b>	<a href="#">4938</a>
<b>mRNA Refseq</b>	<a href="#">NM_001032409</a>
<b>Protein Refseq</b>	<a href="#">NP_001027581</a>
<b>UniProt ID</b>	<a href="#">P00973</a>
<b>Chromosome Location</b>	12q24.2
<b>Pathway</b>	Cytokine Signaling in Immune system, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Influenza A, organism-specific biosystem;

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**Function**

2-5-oligoadenylate synthetase activity; ATP binding; double-stranded RNA binding; nucleotide binding; nucleotidyltransferase activity; transferase activity; zinc ion binding;

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