

Recombinant Human OAS2 Protein, His-tagged

Cat. No. OAS2-309H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OAS2(Val11~His346) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val11~His346
Description	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 adenosine 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. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	42.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	OAS2 2-5-oligoadenylate synthetase 2, 69/71kDa [Homo sapiens]
Official Symbol	OAS2
Synonyms	OAS2; 2-5-oligoadenylate synthetase 2, 69/71kDa; 2 5 oligoadenylate synthetase 2 (69 71 kD); 2-5-oligoadenylate synthase 2; 2-5A synthase 2; p69 OAS / p71 OAS; (2-5)oligo(A) synthetase 2; MGC78578;
Gene ID	4939
mRNA Refseq	NM_001032731
Protein Refseq	NP_001027903
MIM	603350

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UniProt ID

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