

OAS1, 1-364 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03239

3th Edition

Synonyms:2',5'-oligoadenylate synthetase 1, isoform2, IFI-4, OIAS, OIASI.

Description:OAS1 is an enzyme included in the 2',5'-oligoadenylate synthase family. This enzyme 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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol and 1mM DTT.

Molecular Weight:43.9 kDa (384aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIIDIICGFLKERCFRGSSYPVCVS
KVVKGGSSGKGTTLRGRSDADLVVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRA
LSFVLSSLQLGEGVEFDVLPAFDALGQLTGSYKPNPQIYVKLIEECTDLQKEGEFSTCFTELQRDFLKQRPTKLKSLI
RLVKHWYQNCKKKLGLPPQYALELLTVYAWERGSMTKHFNTAQQGFRTVLELVINYQQLCIYWTKYYDFKNPIIEKY
LRRQLTKPRPVILDPADPTGNLGGDPKGWRQLAQEAELNYPCKNWDGSPVSSWILLVRPPASSLPFIPAPL
HEA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.