BellBrook Labs

certificate of analysis

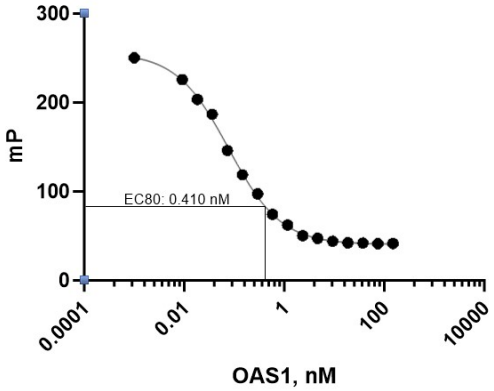
OAS1 Enzyme, Human Full-Length

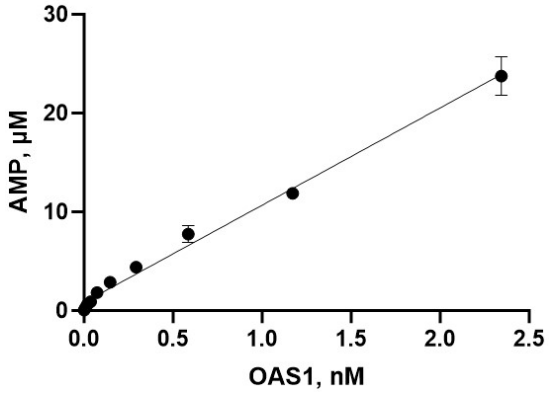
Part number: 2249
Lot number: 14849A

General: OAS1 enzyme is a full-length, recombinant human enzyme with an N-terminal 6xHis-tag.
Storage and Handling: Store at -80°C, minimize freeze-thaws.
Purity: ≥75% as determined by SDS-PAGE
Expression: *E. coli*

Part	Lot	Description	Composition	Concentration	Rate*	Volume	Storage
2249	14849A	10 µg OAS1 enzyme, 47.0 kDa	50 mM Tris-HCl, 500 mM NaCl and 10% Glycerol, pH 8.0	0.35 mg/mL (7.45 µM)	3.31 sec^{-1}	28.6 µL	-80°C

*Rate of AMP formation measured using Transcreener® OAS1 FP Activity Assay





OAS1 Enzyme, Human: Functional Activity

Activity was measured using the Transcreener® OAS FP Activity Assay; (1 mM ATP, 10 µg/mL dsRNA, 25 mM Tris (pH 7.5), 10 mM MgCl2 and 0.01% Brij-35); 10 µL enzyme reactions incubated at 30°C for 60 minutes. Polarization values were converted to AMP formation with a standard curve and plotted using Prism (GraphPad).

OAS1 Enzyme, Human: Amino Acid Sequence

Number of Amino Acids: 407

MHHHHHHMMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDIICGFLKERCFRGSSYPVCVSKVVKGGSSGKGTTLRGRSDADLVVFLSPLT TFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRALSFVLSSLQLGEGVEFDVLPAFDALGQLTGGYKPNPQIYVKLIEECTD LQKEGEFSTCFTELQRDFLKQRPTKLKSLIRLVKHWYQNCKKKLGKLPPQYALELLTVYAWERGSMKTHFNTAQGFRTVLELVINYQQLCIY WTKYYDFKNPIIEKYLRRQLTKPRPVILDPADPTGNLGGGDPKGWRQLAQEAEAWLNYPCFKNWDGSPVSSWILLAESNSADDETDDPRRY QKYGYIGTHEYPHFSHRPSTLQAASTPQAEEDWTCTIL*

User Notification

The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The buyer cannot sell or otherwise transfer (a) this product (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. The buyer may transfer information or materials made through the use of this product to a scientific collaborator, provided that such transfer is not for any Commercial Purpose, and that such collaborator agrees in writing (a) to not transfer such materials to any third party, and (b) to use such transferred materials and/or information solely for research and not for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components in manufacturing; (2) use of the product or its components to provide a service, information, or data; (3) use of the product or its components for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research. BellBrook Labs LLC will not assert a claim against the buyer of infringement of the above patents based upon the manufacture, use, or sale of a therapeutic, clinical diagnostic, vaccine or prophylactic product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. If the purchaser is not willing to accept the limitations of this limited use statement, BellBrook Labs LLC is willing to accept return of the product with a full refund. For information on purchasing a license to this product for purposes other than research, contact Licensing Department, BellBrook Labs LLC, 1232 Fourier Drive, Suite 115, Madison, Wisconsin 53717. Phone (608)443-2400. Fax (608)441-2967.

©2024 BellBrook Labs. All rights reserved.