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Datasheet for 009-001-S49S

MO25 alpha protein-GST fusion

Overview

Description:	MO25 alpha recombinant protein-GST fusion protein - 009-001-S49S
Item No.:	009-001-S49S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	MO25α (mouse protein 25 alpha) is a 40-kDa protein that interacts with the STE20-related adaptor-alpha (STRADα) pseudo kinase to form a regulatory complex capable of stimulating the activity of the LKB1 tumor suppressor protein kinase (1). LKB1 plays a critical role in cell proliferation, polarity and energy metabolism. LKB1 is mutated in the inherited Peutz-Jeghers cancer syndrome (PJS). MO25α binds directly to a conserved Trp-Glu-Phe sequence at the STRADα C terminus, and markedly enhances the binding of STRADα to LKB1 thereby increasing LKB1 catalytic activity (2). MO25α Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cardiovascular Disease, and Metabolic Disorder research.
Synonyms:	CAB39, CGI-66, FLJ22682, Calcium-binding protein 39 MO25alpha, Protein Mo25
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CAB39
Purity/Specificity:	Recombinant full-length human MO25α was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_016289

Application Details

Application Note:	MO25α Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. MO25α Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~63kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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