

Datasheet for ABIN6699567
CAB39 Protein (GST tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	CAB39
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAB39 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	MO25 alpha recombinant protein-GST fusion protein
Purification:	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.
Purity:	>95%

Target Details

Target:	CAB39
Alternative Name:	CAB39 (CAB39 Products)
Background:	Synonyms: CAB39, CGI-66, FLJ22682, Calcium-binding protein 39 MO25alpha, Protein Mo25 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

Target Details

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.

NCBI Accession: [NM_016289](#)

Pathways: [AMPK Signaling](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: MO25α Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~63 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: MO25α Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months