

# Recombinant human CAB39L protein

Catalog Number: ATGP1926

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-337aa

### UniProt No.

Q9H9S4

### NCBI Accession No.

NP\_112187

### Alternative Names

Calcium-binding protein 39-like, MO25-BETA, MO2L

## PRODUCT SPECIFICATION

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### Molecular Weight

41.5 kDa (360aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Calcium-binding protein 39-like, also known as CAB39L, is similar to MO25 and is found in the serum of nearly half of all patients diagnosed with acute monocytic leukemia. This protein suggests a role for CAB39L in carcinogenesis. Also, LKB1 activity increases upon the binding of a regulatory complex consisting of the STE20-related adaptor-alpha (STRAD alpha) pseudo kinase and the CAB39L. Recombinant human CAB39L protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMKKMPLF SKSHKNPAEI VKILKDNLAI LEKQDKKTDK ASEEVSKSLQ AMKEILCGTN  
EKEPTEAVA QLAQELYSSG LLVTLIADLQ LIDFEGKKDV TQIFNNILRR QIGTRSPTVE YISAHPHILF MLLKGYEAPQ  
IALRCGIMLR ECIRHEPLAK IILFSNQFRD FFKYVELSTF DIASDAFATF KDLLTRHKVL VADFLEQNYD TIFEDYEKLL  
QSENYVTKRQ SLKLLGELIL DRHNFAIMTK YISKPENLKL MMNLLRDKSP NIQFEAFHVF KVFVASPHKT QPIVEILLKN  
QPKLIEFLSS FQKERTDDEQ FADEKNYLIK QIRDLKKTAP

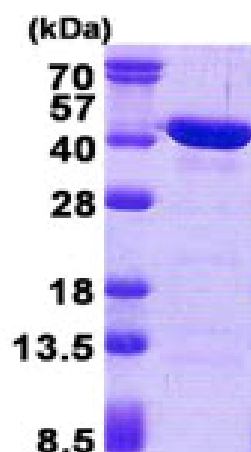
## General References

Boudeau J., et al. (2004) J Cell Sci. 117:6365-6375.

Taylor E B., et al. (2005) Am J Physiol Endocrinol Metab. 288):E1055-1061.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)