

Recombinant Human Calcium Binding Protein 39, His-tagged

Cat. No. CAB39-2721H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human CAB39, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques. MW =42 kDa (361 aa), confirmed by MALDI-TOF.

Species Human

Source E.coli

Description Calcium binding protein 39, also known as CAB39, is a 40-kDa protein that, together with the STE20-related adaptor-alpha (STRAD alpha) pseudo kinase, forms a regulatory complex capable of stimulating the activity of the LKB1 tumor suppressor protein kinase. Also CAB39 may function as a scaffolding component of the STK11/STRAD complex and regulates STK11 activity and cellular localization.

Sequences Of Amino Acids
 MGSSHHHHH SSGLVPRGSH MPFPFGKSHK SPADIVKNLK ESMVLEKQD
 ISDKKAEKAT EEVSKNLVAM KEILYGTNEK EPQTEAVAQL AQELYNSGLL
 STLVADLQLI DFEGKKDVAQ IFNNILRRQI GTRTPTVEYI CTQQNILFML
 LKGYESPEIA LNCGIMLREC IRHEPLAKII LWSEQFYDFE RYVEMSTFDI
 ASDAFATFKD LLTRHKLLSA EFLEQHYDRF FSEYEKLLHS ENYVTKRQSL
 KLLGELLDDR HNFTIMTKYI SKPENLKLMM NLLRDKSRNI QFEAFHVFKV
 FVANPNKTQP ILDILLKNQA KLIEFLSKFQ NDRTEDEQFN DEKTYLVKQI
 RDLKRPAQQE A

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

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Purity	> 90% by SDS – PAGE.
Concentration	1mg/ml (determined by Bradford assay).
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.
GENE INFORMATION	
Gene Name	CAB39 calcium binding protein 39 [Homo sapiens]
Synonyms	CAB39; calcium binding protein 39; MO25; CGI-66; FLJ22682; Protein Mo25
Gene ID	51719
mRNA Refseq	NM_001130849
Protein Refseq	NP_001124321
MIM	612174
UniProt ID	Q9Y376
Chromosome Location	2q37.1
Pathway	mTOR signaling pathway; Integration of energy metabolism
Function	protein binding

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