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 (361aa), 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	MGSSHHHHHH SSGLVPRGSH MPFPFGKSHK SPADIVKNLK ESMAVLEKQD ISDKKAEKAT EEVSKNLVAM KEILYGTNEK EPQTEAVAQL AQELYNSGLL STLVADLQLI DFEGKKDVAQ IFNNILRRQI GTRTPTVEYI CTQQNILFML LKGYESPEIA LNCGIMLREC IRHEPLAKII LWSEQFYDFF RYVEMSTFDI ASDAFATFKD LLTRHKLLSA EFLEQHYDRF FSEYEKLLHS ENYVTKRQSL KLLGELLLDR 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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