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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

LIMK2 (Human) Recombinant Protein (P02)

Catalog Number: H00003985-P02

Regulation Status: For research use only (RUO)

Product Description: Human LIMK2 full-length ORF (NP_001026971.1, 1 a.a. - 686 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGSYLSVPAYFTSRDLFRCSECQDSL TNWYYEKDGK
LYCPKDYWGKFGFEGCHGCSLLMTGPFMVAGEFKYHP
ECFACMSCKVIIEDGDAYALVQHATLYCGKCHNEVVLA
PMFERLSTESVQEQLPYSVTLISMPATTEGRRGFSVS
VESACSNYATTVQVKEVNRMHISPNRNRAIHPGDRILE
INGTPVRTLRVEEVEDAISQTSQTLQLLIEHDPVSQRDL
QLRLEARLAPHMQNAGHPHALSTLDTKENLEGLRRR
SLRRSNSISKSPGPSSPKEPLLSRDISRSESLRCS
YSQQIFRPCDLIHGEVLGKGGFQAIVTHKATGKVMV
MKELIRCDEETQKTFLTEVKVMRSLDHPNVLKFIVLY
KDKKLNLLTEYIEGGTLKDFLRSMDFPWQQKVRFAK
GIASGMAYLHSMCIHRDLNSHNCLIKLDKTVVADFGL
SRLIVEERKRAPMEKATTKRTRLRKNDRKKRYTVVGN
PYWMAPEMLNGKSYDETVDIFSGIVLCEIIGQVYADP
DCLPRTLDFGLNVKLFWEKVFVPTDCPPAFFPLAAICCR
LEPESRAPPGAAGEGPGCADDEGPVRRQGVKTIKYD
PKELRKHLNLEEWILEQLTRLYDCQEEEEISELEIDVDEL
LDMESDDAWASRVKELLVDCYKPTEAFISGLLDKIRAM
QKLSTPQKK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 104.3

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3985

Gene Symbol: LIMK2

Gene Alias: -

Gene Summary: There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]