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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Datasheet

LIMK1 (Human) Recombinant Protein (P01)

Catalog Number: H00003984-P01

Regulation Status: For research use only (RUO)

Product Description: Human LIMK1 full-length ORF (NP_002305.1, 1 a.a. - 647 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRLTLLCCTWREERMGEEGSELPVCASCGQRIYDGG
YLQALNADWHADCFRCCDCSASLSHQYYEKDGLFC
KKDYWARYGESCHGCSEQITKGLVMVAGELKYHPEC
FICLTCGTFIGDGDYTLVEHSKLYCGHCYYQTVVTPVI
EQILPDSPGSHLPHTVTLVSIPASSHGKRGLSVSDPPH
GPPGCGTEHSHTVRVQGVDPGCMSPDVKNSIHVGDR
ILEINGTPIRNVPLDEIDLLIQETSRLQLTLEHDPHDTLG
HGLGPETSPLSSPAYTPSGEAGSSARQKPVLRSCSID
RSPGAGSLGSPASQRKDLGRSESLRVVCRPHRIFRPS
DLIHGEVLGKGCFCGQAIKVTHRETGEVMVMKELIRFDE
ETQRTFLKEVKVMRCLEHPNVLKFVGLYKDKRLNFITE
YIKGGTLRGIKSMDSQYPWSQRVSFAKDIASGMAYLH
SMNIIHRDLNSHNCLVRENKNVVVADFLARLMVDEK
TQPEGLRSLKPKDRKKRYTVVGNPYWMAPEMINGRS
YDEKVDVFSFGIVLCEIIGRVNADPDYLPRTMDFGLNV
RGFLDRYCPNCPSPFFPITVRCCDLDPKRPFSVKLE
HWLETLRMHLAGHLPLGPQLEQLDRGFWETYRRGES
GLPAHPEVPD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 96.8

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: 3984

Gene Symbol: LIMK1

Gene Alias: LIMK

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. LIMK1 is likely to be a component of an intracellular signaling pathway and may be involved in brain development. LIMK1 hemizyosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. [provided by RefSeq]

References:

1. LIMK Regulates Tumor-Cell Invasion and Matrix Degradation Through Tyrosine Phosphorylation of MT1-MMP. Lagoutte E, Villeneuve C, Lafanechere L, Wells CM, Jones GE, Chavrier P, Rosse C. Sci Rep. 2016 Apr 27;6:24925.