

LIME1, 28-295aa, Human, His tag, E.coli

Cat.NO.: TP02827

3th Edition

Synonyms:Lck-interacting transmembrane adapter 1 precursor, dJ583P15.4, LIME, LP8067, RP4-583P15.5

Description:Lck-interacting transmembrane adapter 1 precursor, also known as LIME1, was previously characterized as a transmembrane adaptor protein mediating TCR-dependent T cell activation. LIME1 becomes tyrosine phosphorylated after cross-linking of the CD4 or CD8 coreceptors. Phospho-LIME1 associates with the Src family kinase Lck and its negative regulator, Csk. Recombinant human LIME1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:30.8 kDa (291aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGCTACRRPEDAVAPRKRARRQRARLQGSATAAEASLLRRTLCSLSKSDTRL
HELHRGPRSSRALRPASMDLLRPHWLEVSRDITGPQAAPSAFPHQELPRALPAAAATAGCAGLEATYSNVGLAALP
GVSLAASPVVAEYARVQKRKGTNRSPQEPQQGKTEVTPAAQVDVLYSRVCKPKRRDPGPTTDPDPKGGGAILAL
AGDLAYQTLPLRALDVDSGPLENVYESIRELGDPAGRSSTCGAGTPPASSCPSLGRGWRPLPASLP

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.