

TOLLIP, 1-274aa, Human, His tag, E.coli

Cat.NO.: TP04272

3th Edition

Synonyms:Toll interacting protein, FLJ33531, IL-1RAcPIP

Description:TOLLIP, also known as Toll interacting protein, is an inhibitory adaptor protein within Toll-like receptors. The TLR pathway is a part of the innate immune system that recognizes structurally conserved molecular patterns of microbial pathogens, leading to an inflammatory immune response. Negative regulation of TLR signaling by TOLLIP may limit the production of proinflammatory mediators during inflammation and infection. Also, it forms a complex with Tom1 to regulate endosomal trafficking of ubiquitinated proteins. Recombinant human TOLLIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.2M NaCl,2mM DTT

Molecular Weight:32.4 kDa (294aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMATTVSTQRGPVYIGELPQDFLRITPTQQQRQVQLDAQAAQQLQYGGAVGTVGR
LNITVVQAKLAKNYGMTRMDPYCRLRLGYAVYETPTAHNGAKNPRWNKVIHCTVPPGVDSFYLEIFDERAFSMDDR
IAWTHITIPESLRQGKVEDKWYLSGRQGDDKEGMINLVMSYALLPAAMVMPPQPVVLMPTVYQQGVGYVPITGM
PAVCSPGMVPVALPPAAVNAQPRCSEEDLKAIQDMFPNMDQEVIRSVLEAQRGNKDAAINSLLMGEEP

Purity:> 95% by HPLC

Concentration:0.25 mg/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.