

Recombinant Human Toll Interacting Protein, His-tagged

Cat. No. TOLLIP-3533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TOLLIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-274aa).
Species	Human
Source	E.coli
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.
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
Purity	>85% by SDS - PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MATTVSTQRG PVYIGELPQD FLRITPTQQQ RQVQLDAQAA QQLQYGGAVG TVGRLNITVV QAKLAKNYGMTRMDPYCRLR

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LGYAVYETPT AHNGAKNPRW NKVIHCTVPP GVDSFYLEIF DERAFSMDDR
 IAWTHITPE SLRQGKVEDK WYSLSGRQGDDKEGMINLVM SYALLPAAMV
 MPPQPVVLMP TVYQQGVGYV PITGMPAVCS PGMVPVALPP AAVNAQPRCS
 EEDLKAIQDM FPNMDQEVIRSVLEAQRGNK DAAINSLLQM GEEP

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

TOLLIP toll interacting protein [Homo sapiens]

Synonyms

TOLLIP; FLJ33531; IL-1RAcPIP; toll-interacting protein; adapter protein

Gene ID

54472

mRNA Refseq

NM_019009

Protein Refseq

NP_061882

MIM

606277

UniProt ID

Q9H0E2

**Chromosome
Location**

11p15.5

Function

Toll-like receptor binding; kinase binding; protein binding; signal transducer activity

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