

# Recombinant Human Toll Interacting Protein, His-tagged

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

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human TOLLIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-274aa).                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.2M NaCl, 2mM DTT                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Weight</b>         | 32.4 kDa(294aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                   | >85% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>            | 0.25 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MATTVSTQRG PVYIGELPQD FLRITPTQQQ<br>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

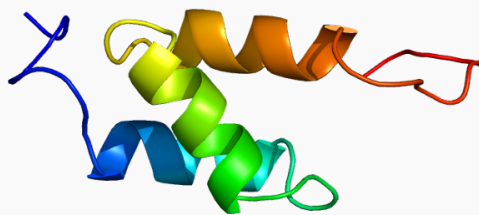
**Function**

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

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