

## TOLLIP Human

**Description:** TOLLIP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 294 amino acids (1-274 a.a) and having a molecular mass of 32.4kDa. TOLLIP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-235

**Synonyms:** Toll-interacting protein, TOLLIP, IL-1RAcPIP.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MATTVSTQRG PVYIGELPQD  
FLRITPTQQQ RQVQLDAQAA QQLQYGGAVG TVGRLNITVV QAKLAKNYGM TRMDPYCRLR  
LGYAVYETPT AHNGAKNPRW NKVIHCTVPP GVDSFYLEIF DERAFSMDDR IAWTHITPE  
SLRQGKVEDK WYSLSGRQGD DKEGMINLVM SYALLPAAMV MPPQPVLMP TVYQQGVGYV  
PITGMPAVCS PG

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

TOLLIP protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.2M NaCl and 2mM DTT.

**Stability:**

TOLLIP Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Toll interacting protein (TOLLIP) is an inhibitory adaptor protein within Toll-like receptors. The TLR pathway is a part of the innate immune system which recognizes structurally conserved molecular patterns of microbial pathogens, initiating an inflammatory immune response. Negative regulation of TLR signaling by TOLLIP might restrict the production of proinflammatory mediators during inflammation and infection. Furthermore, TOLLIP forms a complex with Tom1 to regulate endosomal transferring of ubiquitinated proteins.

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