

## Recombinant Human TOLLIP, GST-tagged

Cat. No. TOLLIP-151H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TOLLIP (amino acid residues 1-274), with N-terminal GST, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-274 a.a.
<b>Description</b>	TOLLIP has an N-Terminal TOM1 binding domain (TBD) that mediates protein-protein interactions, a C2 domain that targets TOLLIP to the endosome and a C-terminal CUE domain that binds mono-ubiquitin (Lo et al., 2009). Recent studies have proposed that Interleukin 1B (IL-1B) stimulation of HEK293 cells induces aggregation of Interleukin 1 Receptors (IL-1Rs) and recruitment of MYD88 followed by the TOLLIP/IL-1 receptor-associated kinase 1 (IRAK1) complex.
<b>Form</b>	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
<b>Molecular Mass</b>	~57kDa
<b>Purity</b>	>90% by InstantBlue™ SDS-PAGE
<b>Storage</b>	12 months at -70°C. Avoid multiple freeze/thaw cycles.
<b>Concentration</b>	0.5 mg/ml

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## GENE INFORMATION

<b>Gene Name</b>	TOLLIP toll interacting protein [ Homo sapiens ]
<b>Official Symbol</b>	TOLLIP
<b>Synonyms</b>	TOLLIP; toll interacting protein; toll-interacting protein; IL 1RAcPIP; adapter protein; IL-1RAcPIP; FLJ33531;
<b>Gene ID</b>	54472
<b>mRNA Refseq</b>	NM_019009
<b>Protein Refseq</b>	NP_061882
<b>MIM</b>	606277
<b>UniProt ID</b>	Q9H0E2
<b>Chromosome Location</b>	11p
<b>Pathway</b>	Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; Signaling by Interleukins, organism-specific biosystem; Toll-like receptor signaling pathway, organism-specific biosystem; Toll-like receptor signaling pathway, organism-specific biosystem;
<b>Function</b>	Toll-like receptor binding; kinase binding; protein binding; signal transducer activity;

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