Recombinant Human TOLLIP, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant human TOLLIP (amino acid residues 1-274), with N-terminal GST, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-274 a.a.
Description	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.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Molecular Mass	~57kDa
Purity	>90% by InstantBlue™ SDS-PAGE
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5 mg/ml

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GENE INFORMATION

Gene Name	TOLLIP toll interacting protein [Homo sapiens]
Official Symbol	TOLLIP
Synonyms	TOLLIP; toll interacting protein; toll-interacting protein; IL 1RAcPIP; adapter protein; IL-1RAcPIP; FLJ33531;
Gene ID	54472
mRNA Refseq	NM_019009
Protein Refseq	NP_061882
MIM	606277
UniProt ID	Q9H0E2
Chromosome Location	11p
Pathway	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;
Function	Toll-like receptor binding; kinase binding; protein binding; signal transducer activity;

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