

## 32-8083: Recombinant Human Toll-Interacting Protein/TOLLIP (C-6His)

**Gene :** TOLLIP  
**Gene ID :** 54472  
**Uniprot ID :** Q9H0E2

### Description

Source: E.coli.  
MW :31.3kD.

Recombinant Human Toll-Interacting Protein is produced by our E.coli expression system and the target gene encoding Ala2-Pro274 is expressed with a 6His tag at the C-terminus. Toll-Interacting Protein (TOLLIP) is a member of the tollip family. TOLLIP localizes to the cytoplasm. It contains one C2 domain and one CUE domain. TOLLIP is an inhibitory adaptor protein for Toll-like receptors (TLR). The Toll-like receptors pathway is a part of the immune system that recognize structurally conserved molecular patterns of microbial pathogens, resulting in an inflammatory immune response. TOLLIP constitutes a complex with Tom1 to regulate endosomal transferring of ubiquitinated proteins. TOLLIP can negative regulate Toll-like receptors signaling, which may limit the production of proinflammatory mediators during the process of inflammation and infection.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5mM EDTA, pH 7.2.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ATTVSTQRGPVYIGELPQDFLRITPTQQQRQVQLDAQAAQQLQYGGAVGTVGRNLNITVVQAKLAKNYGMTRM  
DPYCRLRLGYAVYETPTAHNGAKNPRWNKVIHCTVPPGVDSFYLEIFDERAFSMDDDRIAWTHITIPESLRQGKVE  
DKWYSLSGRQGDDKEGMINLVMSYALLPAAMVMPPQPVVLMPTVYQQGVGYVPITGMPAVCSPGMVPVALPP  
AAVNAQPRCSEEDLKAIQDMFPNMDQEVIRSVLEAQRGNKDAAINSLLQMGEPPVEHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.