



Recombinant Protein Technical Manual

Recombinant Human TOLLIP Protein (His Tag)

RPES0991

Product Data:

Product SKU: RPES0991

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9H0E2

Protein Information:

Molecular Mass: 31.3 kDa

AP Molecular Mass: 31 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5mM EDTA, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Toll-Interacting Protein; TOLLIP

Immunogen Information:

Sequence: Ala2-Pro274

Background:

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.