Recombinant human Tollip protein

Catalog Number: ATGP1067

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-274aa

UniProt No.
Q9H0E2

NCBI Accession No.
NP_061882.2

Alternative Names
Toll interacting protein, FLJ33531, IL-1RAcPIP

PRODUCT SPECIFICATION

Molecular Weight
32.4 kDa (294aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.2M NaCl,2mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
TOLLIP, also known as Toll interacting protein, is an inhibitory adaptor protein within Toll-like receptors. The TLR pathway is a part of the innate immune system that recognizes structurally conserved molecular patterns of microbial pathogens, leading to an inflammatory immune response. Negative regulation of TLR signaling by TOLLIP may limit the production of proinflammatory mediators during inflammation and infection. Also, it forms a complex with Tom1 to regulate endosomal trafficking of ubiquitinated proteins. Recombinant human TOLLIP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography.

Amino acid Sequence

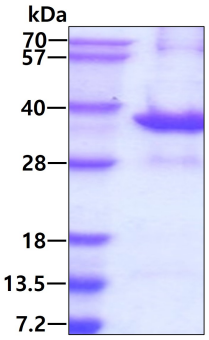
<MGSSHHHHHH SSGLVPRGSH> MATTVSTQRG PVYIGELPQD FLRITPTQQQ RQVQLDAQAA QQLQYGGAVG TVGRLNITVV QAKLAKNYGM TRMDPYCRLR LGYAVYETPT AHNGAKNPRW NKVIHCTVPP GVDSFYLEIF DERAFSMDDR IAWTHITIPE SLRQGKVEDK WYSLSGRQGD DKEGMINLVM SYALLPAAMV MPPQPVVLMP TVYQQGVGYV PITGMPAVCS PGMVPVALPP AAVNAQPRCS EEDLKAIQDM FPNMDQEVIR SVLEAQRGNK DAAINSLLQM GEEP

General References

Burns K. et al. (2000) Nat. Cell Biol. 2: 346-351.
Zhang G. et al. (2002) J. Biol. Chem. 277: 7059-7065.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain