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Datasheet for ABIN1097679

TOLLIP Protein (AA 2-274) (His tag)

Overview

Quantity:	50 µg
Target:	TOLLIP
Protein Characteristics:	AA 2-274
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TOLLIP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Toll-Interacting Protein/TOLLIP (C-6His)
Sequence:	ATTVSTQRGP VYIGELPQDF LRITPTQQQR QVQLDAQAAQ QLQYGGAVGT VGRLNITVVQ AKLAKNYGMT RMDPYCRLRL GYAVYETPTA HNGAKNPRWN KVIHCTVPPG VDSFYLEIFD ERAFSMDMRI AWTHITIPES LRQGKVEDKW YLSGRQGDD KEGMINLVMS YALLPAAMVM PPQPVVLMPPT VYQQGVGYVP ITGMPAVCSP GMVPVALPPA AVNAQPRCSE EDLKAIQDMF PNMDQEVIRS VLEAQRGNKD AAINSLQMG EEPVEHHHHH H
Characteristics:	Recombinant Human Toll-Interacting Protein is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Pro274) of Human TOLLIP fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TOLLIP
Alternative Name:	Tollip (TOLLIP Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Toll-Interacting Protein, TOLLIP</p>
Molecular Weight:	31.3 kDa
UniProt:	Q9H0E2

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 mM EDTA, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months