

Datasheet for ABIN7596406

LILRA3 Protein (AA 24-439) (hlgG-His-tag)



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Overview

Quantity:	500 µg
Target:	LILRA3
Protein Characteristics:	AA 24-439
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRA3 protein is labelled with hlgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	GPLPKPT LWAEPGSVIT QGSPVTLRCQ GSLETQEYHL YREKKTALWI TRIPQELVKK GQFPILSITW EHAGRYCCY GSHTAGLSES SDPLELVVTG AYSKPTLSAL PSPVVTSGGN VTIQCDSQVA FDGFILCKEG EDEHPQCLNS HSHARGSSRA IFSVGPVSPS RRWSYRCYGY DSRAPYVWSL PSDLLGLLVP GVSKKPSLSV QPGPVVAPGE KLTFQCGSDA GYDRFVLYKE WGRDFLQRP RQPQAGLSQA NFTLGPVSRS YGGQYTCGA YNLSSEWSAP SDPLDILITG QIRARPFLSV RPGPTVASGE NVTLLCQSQG GMHTFLLTKE GAADSPLRLK SKRQSHKYQA EFPMSPTSA HAGTYRCYGS LSSNPYLLTH PSDPLELVVS GAAETLSPPQ NKSDSKAGE
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	LILRA3
Alternative Name:	LILRA3/CD85e (LILRA3 Products)
Background:	<p>LILRA3, also known as CD85 antigen-like family member E (CD85e), immunoglobulin-like transcript 6 (ILT-6), and leukocyte immunoglobulin-like receptor 4 (LIR-4), acts as a soluble receptor for class I MHC antigens. It binds both classical and non-classical HLA class I molecules, albeit with reduced affinities compared to LILRB1 or LILRB2. Additionally, LILRA3 exhibits high affinity for monocyte surfaces, effectively suppressing LPS-induced TNF-alpha production. Unlike many of its family, LILRA3 lacks a transmembrane domain. The function of LILRA3 is currently unknown. However, it is highly homologous to other LILR genes and can bind human leukocyte antigen (HLA) class I. Therefore, if secreted, the LILRA3 might impair interactions of membrane-bound LILRs with their HLA ligands, thus modulating immune reactions and influencing susceptibility to disease. Recombinant human LILRA3/CD85e, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	72.2kDa (658aa)
NCBI Accession:	NP_006856

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.