

LILRB3 recombinant protein

LILRB3 Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258202

HOST
HEK293 Cells

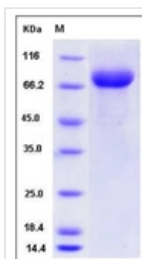
PRODUCT SYNONYMS

LILRB3; LILRB3 Protein; Mouse; Recombinant (His Tag); Mouse LILRB3/LIR3/ILT5/CD85a Protein (His Tag); Gp91 Protein; Pirb Protein; leukocyte immunoglobulin like receptor B3; LILRB3 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	≥ 95% as determined by SDS-PAGE ≥ 85% as determined by SEC-HPLC
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Tyr64 0
Source	Mouse
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Ser 25
Tag	C-His
Protein Construction	A DNA sequence encoding the extracellular domain of mouse LILRB3 (AAC53219.1)(Met 1-Tyr 640), was fused with a C-terminal polyhistidine tag.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Store it under sterile conditions at -20 degree C to -80 degree C upon receiving. Samples are stable for up to twelve months from date of receipt at -70 degree C Recommend to aliquot the protein into smaller quantities for optimal storage Avoid repeated freeze/thaw cycles

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LILRB3 recombinant protein	Background: Leukocyte immunoglobulin-like receptor subfamily B member 3, also known as Leukocyte immunoglobulin-like receptor 3, Immunoglobulin-like transcript 5, Monocyte inhibitory receptor HL9, CD85 antigen-like family member A, CD85a and LILRB3, is a single-pass type I membrane protein that belongs to the leukocyte receptor cluster (LRC) present on 19q13.4. LILRB3/CD85a contains four Ig-like C2-type (immunoglobulin-like) domains. LILRB3/CD85a contains three copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in the modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. LILRB3/CD85a is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found.
Product Categories/Family for LILRB3 recombinant protein	ITIM/ITAM Immunoreceptors and Related Molecules
References	Huang,J. et al., 2010, J Virol. 84 (18): 9463-71. Arm J.P. et al., 1997, J. Immunol. 159:2342-2349. Wende H. et al., 2000, Immunogenetics 51:703-713. Yu L.-R. et al., 2007,J. Proteome Res. 6:4150-4162.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2138367
NCBI GeneID	18733
NCBI Official Full Name	PIRB1
NCBI Official Synonym Full Names	paired Ig-like receptor B
NCBI Official Symbol	Pirb
NCBI Official Synonym Symbols	Gp91; LIR-3; PIR-B; Lilrb3
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily B member 3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.