

Recombinant Full Length Human LILRB4 Protein, GST-tagged

Cat. No. LILRB4-626HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LILRB4(1 a.a. - 448 a.a.) fused with GST tag at the N-terminus was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	448 amino acids
Description	This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor 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. The receptor can also function in antigen capture and presentation. 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 for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	75.02 kDa

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AA Sequence

MIPTFTALLC LGLSLGPRTD MQAGPLPKPT LWAEPGSVIS WGNSVTIWCQ
 GTLEAREYRL DKEESPAPWD RQNPLEPKNK ARFSIPSMTE DYAGRYRCYY
 RSPVGWSQPS DPLELVMTGA YSKPTLSALP SPLVTSGKSV TLLCQSRSPM
 DTFLLIKERA AHPLLHLRSE HGAQQHQAEF PMSPVTSVHG GTYRCFSSHG
 FSHYLLSHPS DPLELIVSGS LEGPRPSPTR SVSTAAGPED QPLMPTGSVP
 HSGLRRHWEV LIGVLVVSIL LLSLLLFLLL QHWRQGKHRT LAQRQADFQR
 PPGAAEPEPK DGGLQRRSSP AADVQGENFC AAVKNTQPED GVEMDTRQSP
 HDDEPQAVTY AKVKHSRPRR EMASPPSPLS GEFLDTKDRQ AEEDRQMDTE
 AAASEAPQDV TYARLHSFTL RQKATEPPPS QEGASPAEPS VYATLAIH

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

LILRB4 leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM
 domains), member 4 [Homo sapiens]

Official Symbol

LILRB4

Synonyms

HM18; ILT3; LIR5; CD85K; LIR-5; LILRB5

Gene ID

11006

mRNA Refseq

NM_006847.3

Protein Refseq

NP_006838.3

MIM

604821

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UniProt ID

Q8NHJ6

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