

Recombinant human LILRB1 protein, C-His (HEK293)

Catalog Number: bs-47149P

Concentration: >0.5 mg/ml

AA Seq: 1-221/650

Predicted MW: 51

Detected MW: Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.

Tags: C-His

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

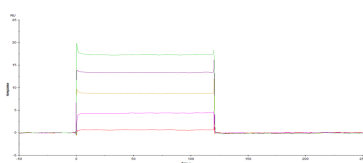
Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

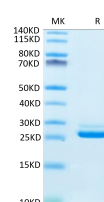
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: 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. 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. [provided by RefSeq, Jul 2008]

VALIDATION IMAGES



HLA-G captured on CM5 Chip can bind Human



Human LILRB1 / CD85j / ILT2 domain1&2 on Tris-

LILRB1, His Tag with an affinity constant of 1.9 μ M as determined in SPR assay (Biacore T200).

Bis PAGE under reduced conditions. The purity is greater than 95%.