

Recombinant Human LILRB3 Protein, C-His-tagged

Product Information

Cat	IMP-1525
Official Symbol	LILRB3
Product Overview	Recombinant human LILRB3 (AAI04994.1) extracellular domain (Met 1-Glu 443) was expressed, with a polyhistidine tag at the C-terminus.
Description	<p>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.</p>
Expression System	HEK293
Species	Human
Tag	C-His
Predicted N Terminal	Gly 24
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant human LILRB3 consists of 431 amino acids and predicts a molecular mass of 47.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LILRB3 is approximately 55-60 kDa due to glycosylation.
Protein length	Met1-Glu443
Endotoxin	< 1.0 EU/μg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is

recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE

