

Recombinant Mouse Slamf7 Protein, Myc/DDK-tagged

Cat. No. Slamf7-5898M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SLAM family member 7 (cDNA clone MGC:19034 IMAGE:4168309), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Mediates natural killer (NK) cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. Positively regulates NK cell functions by a mechanism dependent on the adapter SH2D1B. In addition to heterotypic NK cells-target cells interactions also homotypic interactions between NK cells may contribute to activation. However, in the absence of SH2D1B, inhibits NK cell function. Acts also inhibitory in T-cells. May play a role in lymphocyte adhesion. In LPS-activated monocytes negatively regulates production of proinflammatory cytokines.
Molecular Mass	32.8 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Slamf7 SLAM family member 7 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Slamf7
Synonyms	Slamf7; SLAM family member 7; CS; 19A; CS1; 19A2; 19A24; CRACC; 4930560D03Rik; SLAM family member 7; leukocyte cell-surface antigen; novel Ly9
Gene ID	75345
mRNA Refseq	NM_144539
Protein Refseq	NP_653122
UniProt ID	Q8BHK6

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