# **Recombinant Mouse SLAMF8 Protein (His Tag)**

Catalog Number: PKSM040579



Note: Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

Synonyms SLAM family member 8;B-lymphocyte activator macrophage

expressed;CD353;Slamf8;Blame;SBBI42

Species Mouse

Expression Host

Sequence

Met 1-Asp 231

Accession

NP\_083360.2

Calculated Molecular Weight
Observed molecular weight
Tag

HEK293 Cells

Met 1-Asp 231

NP\_083360.2

24.8 kDa

33-38 kDa

C-His

**Bioactivity** Measured by its ability to bind biotinylated mouse SLAMF8 in a functional ELISA.

## **Properties**

**Purity** > 80 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from sterile PBS, pH 7.4

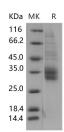
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



> 80 % as determined by reducing SDS-PAGE.

## **Background**

The signaling lymphocyte activation molecule (SLAM) family includes homophilic and heterophilic receptors that modulate both adaptive and innate immune responses. These receptors share a common ectodomain organization: a membrane-proximal immunoglobulin constant domain and a membrane-distal immunoglobulin variable domain that is responsible for ligand recognition. SLAM family of receptors is expressed by a wide range of immune cells. Through their cytoplasmic domain, SLAM family receptors associate with SLAM-associated protein (SAP)-related molecules, a group of cytoplasmic adaptors composed almost exclusively of an SRC homology 2 domain. SLAM family receptors, in

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association with SAP family adaptors, have crucial roles during normal immune reactions in innate and adaptive immune cells. Mouse SLAM family member 8, also known as B-lymphocyte activator macrophage expressed, BCM-like membrane protein, SLAMF8 and BLAME, is a single-pass type I membrane protein. It contains oneIg-like C2-type (immunoglobulin-like) domain. SLAMF8 / BLAME is expressed in lymph node, spleen, thymus and bone marrow. It may play a role in B-lineage commitment and/or modulation of signaling through the B-cell receptor.

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