

Recombinant Human SLAMF6/NTB-A/CD352 Protein

Catalog No.: RP01959 **Recombinant**

Sequence Information

Species Human **Gene ID** 114836 **Swiss Prot** Q96DU3-1

Tags

C-hFc

Synonyms

SLAMF6; KALI;
UNQ6123/PRO20080;SLAM family
member 6; Activating NK receptor; NK-T-
B-antigen; NTB-A; CD352

Background

SLAM Family Member 6 (SLAMF6) is a 60 kD single-pass type I membrane protein that belongs to the SLAM subgroup of the CD2 family. Human SLAMF6/ NTB-A contains a 205 amino acid extracellular domain (ECD) with one Ig-like V-set and one Ig-like C2-set domain, a 21 amino acid transmembrane segment and an 84 amino acid cytoplasmic domain, with two immunoreceptor tyrosine-based switch motifs. SLAMF6 is a homodimer. SLAMF6 can interact with PTN6 and, upon phosphorylation, with PTN11 and SH2D1A/SAP. Phosphorylation-dependent NTB-A association with SAP is required for full production of IFN- γ by NK cells and independent of EAT-2 binding. It Triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. On B cells, NTB-A modulates immunoglobulin class switching and the balance between tolerance and autoimmunity.

Product Information

Source HEK293 cells **Purification** $\geq 95\%$ as determined by SDS-PAGE.

Calculated MW 49.07 kDa **Observed MW** 60-75 kDa

Endotoxin
< 0.01 EU/ μ g of the protein by LAL method

Formulation
Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Basic Information

Description

Recombinant Human SLAMF6/NTB-A/CD352 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-Met226) of Human SLAMF6/NTB-A/CD352 (Accession #NP_001171643.1) fused with a hFc tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

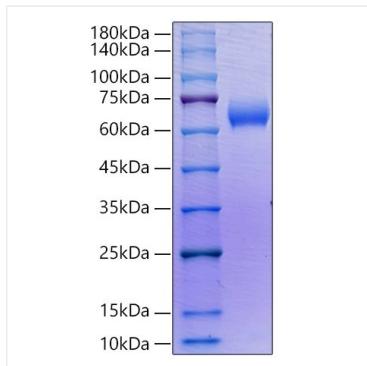
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human SLAMF6/NTB-A/CD352
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.