# Recombinant Human SLAMF6/NTB-A/CD352 Protein

## Catalog No.: RP01959



### Sequence Information

| Species | Gene ID |
|---|---|
| Human | 114836 |
| **Swiss Prot** | **Tags** |
| Q96DU3-1 | C-hFc |

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

### Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |
| **Calculated MW** | **Observed MW** |
| 49.07 kDa | 60-75 kDa |

**Endotoxin**
< 0.01 EU/μg of the protein by LAL method

**Formulation**
Lyophilized from a 0.22 μm 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### 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.

### 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.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

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

**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn



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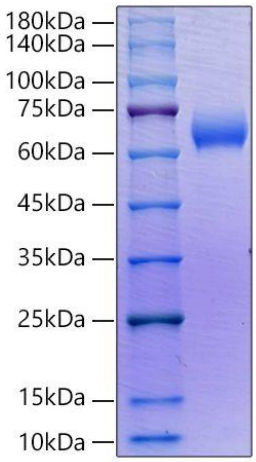
## Validation Data




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