

## Product datasheet for **TP727562**

### LY108 (SLAMF6) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human SLAM Family Member 6/SLAMF6/CD352/NTB-A (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln22-Lys225
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human SLAM Family Member 6 is produced by our Mammalian expression system and the target gene encoding Gln22-Lys225 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	114836
UniProt ID:	<a href="#">Q96DU3</a>
Summary:	SLAM Family Member 6 (SLAMF6) is a 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- $\gamma$ 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.



[View online »](#)