

HUMAN NTB-A PROTEIN, MFC-HIS TAG

Cat.#: 11183

Product Name: Human NTB-A Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: NTB-A;LAMF6;γ108;K-T-B-antigen;D352;ALI

Target: NTB-A

UNIPROT ID: Q96DU3

Description: Recombinant human NTB-A protein with C-terminal mouse Fc and 6xHis tag

Background: The protein encoded by this gene is a type I transmembrane protein, belonging to the CD2 subfamily of the immunoglobulin superfamily. This encoded protein is expressed on Natural killer (NK), T, and B lymphocytes. It undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It functions as a coreceptor in the process of NK cell activation. It can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 50.1 kDa after removal of the signal peptide.

Molecular Characterization: NTB-A(Gln22–Met226) mFc(Pro99–Lys330) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

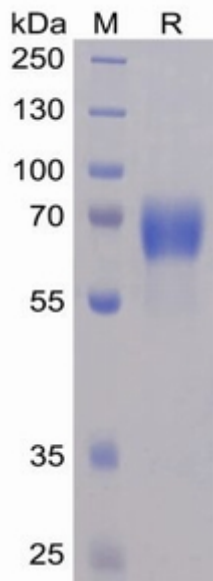


Figure 1. Human NTB-A Protein, mFc-His Tag on SDS-PAGE under reducing condition.