

**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;y108;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) 6xHis 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.

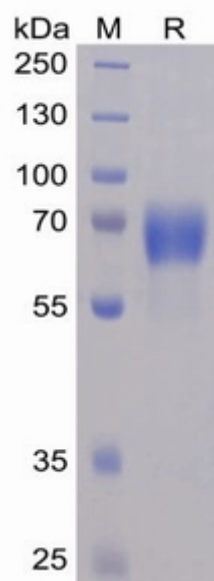


Figure 1. Human NTB-A Protein, mFc-His Tag on SDS-PAGE under reducing condition.