

HUMAN TREML1 PROTEIN**Cat.#:** 12275**Product Name:** Human TREML1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TLT1;TLT-1;PRO3438;GLTL1825;dJ238O23.3**Target:** TREML1**UNIPROT ID:** Q86YW5**Description:** Recombinant human TREML1 Protein with C-terminal human Fc tag**Background:** This gene encodes a member of the triggering receptor expressed on myeloid cells-like (TREM) family. The encoded protein is a type 1 single Ig domain orphan receptor localized to the alpha-granule membranes of platelets. The encoded protein is involved in platelet aggregation, inflammation, and cellular activation and has been linked to Gray platelet syndrome. Alternative splicing results in multiple transcript variants [provided by RefSeq, Nov 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 42.0 kDa after removal of the signal peptide. The apparent molecular mass of TREML1-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** TREML1(Gln16–Pro162) hFc(Glu99–Ala330)**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 TREML1 Protein, hFc Tag on SDS-PAGE under reducing condition.