

## HUMAN TREM1 PROTEIN, HFC TAG

**Cat.#:** 11583

**Product Name:** Human TREM1 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** TREM-1;CD354

**Target:** TREM1

**UNIPROT ID:** Q9NP99

**Description:** Recombinant human TREM1 protein with C-terminal human Fc tag

**Background:** This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 46.4 kDa after removal of the signal peptide. The apparent molecular mass of TREM1-hFc is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** TREM1(Ala21-Arg200) 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.

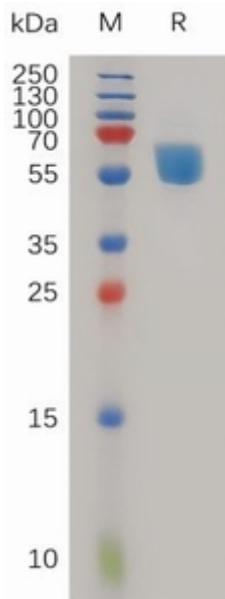


Figure 1. Human TREM1 Protein, hFc Tag on SDS-PAGE under reducing condition.