

**HUMAN CD32A (R167) PROTEIN, HFC TAG****Cat.#:** 11771**Product Name:** Human CD32A (R167) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD32;CD32A;CDw32;FCG2;FcGR;FCGR2;FCGR2A1;IGFR2**Target:** CD32α**UNIPROT ID:** P12318**Description:** Recombinant Human CD32α(R167) with C-terminal Human Fc tag**Background:** This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 46.5 kDa after removal of the signal peptide. The apparent molecular mass of CD32α(R167)-hFc is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** CD32α(R167)(Ala36-Ile218) 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.

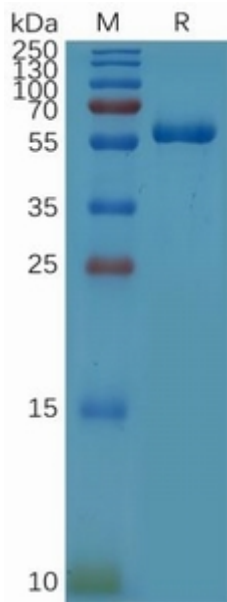


Figure 1. Human CD32a (R167) Protein, hFc Tag on SDS-PAGE under reducing condition.