

HUMAN ADGRE2 PROTEIN, HIS TAG**Cat.#:** 11530**Product Name:** Human ADGRE2 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Adhesion G protein-coupled receptor E2;GF-like module receptor 2;GF-like module-containing mucin-like hormone receptor-like 2;D312**Target:** ADGRE2**UNIPROT ID:** Q9UHX3**Description:** Recombinant human ADGRE2 protein with C-terminal 7xHis tag**Background:** This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 57.2 kDa after removal of the signal peptide. The apparent molecular mass of ADGRE2-His is approximately 70-100 kDa due to glycosylation.**Molecular Characterization:** ADGRE2(Gln24-Thr537) 7xHis tag**Purity:** The purity of the protein is greater than 85% 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.

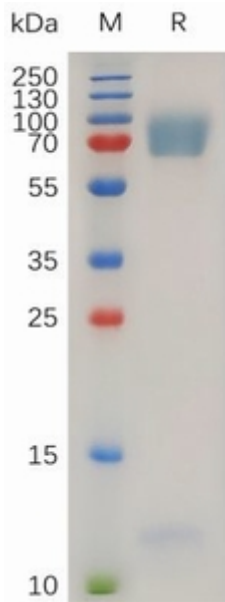


Figure 1. Human ADGRE2 Protein, His Tag on SDS-PAGE under reducing condition.