

HUMAN ADGRE1 PROTEIN, HIS TAG**Cat.#:** 11418**Product Name:** Human ADGRE1 Protein**Size :** 10 µg, 50 µg and 100 µg**Synonyms:** EMRI;TM7LN3**Target:** ADGRE1**UNIPROT ID:** Q14246**Description:** Recombinant human ADGRE1 protein with C-terminal 6xHis tag**Background:** This gene encodes a protein that has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 63.9 kDa after removal of the signal peptide. The apparent molecular mass of ADGRE1-His is approximately 100–130 kDa due to glycosylation.**Molecular Characterization:** ADGRE1(His21-Asp599) 6×His 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.

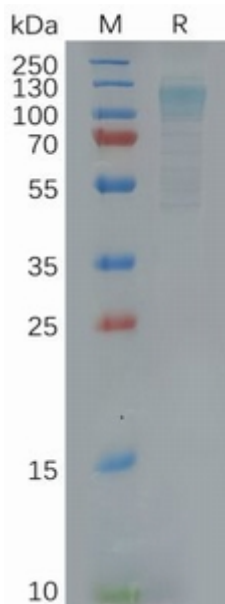


Figure 1. Human ADGRE1 Protein, His Tag on SDS-PAGE under reducing condition.