

HUMAN EMR1 PROTEIN, HFC TAG**Cat.#:** 11641**Product Name:** Human EMR1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** EMR1;TM7LN3**Target:** EMR1**UNIPROT ID:** Q14246**Description:** Recombinant human EMR1 protein with C-terminal human Fc 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.**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 89.21 kDa after removal of the signal peptide.**Molecular Characterization:** EMR1(His21-Asp599) 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.