

HUMAN SCG3 PROTEIN, HIS TAG**Cat.#:** 11783**Product Name:** Human SCG3 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** SGIII**Target:** SCG3**UNIPROT ID:** Q8WXD2**Description:** Recombinant human SCG3 protein with C-terminal 6xHis tag**Background:** The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Granins may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 51.8 kDa after removal of the signal peptide. The apparent molecular mass of SCG3-His is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** SCG3(Phe20-Leu468) 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.

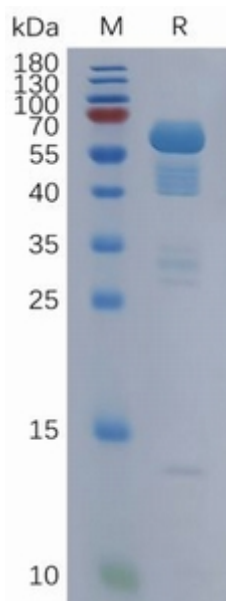


Figure 1. Human SCG3 Protein, His Tag on SDS-PAGE under reducing condition.