

**HUMAN CSPG5 PROTEIN, HIS TAG****Cat.#:** 11975**Product Name:** Human CSPG5 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** NGC**Target:** CSPG5**UNIPROT ID:** O95196**Description:** Recombinant Human CSPG5 Protein with C-terminal 6xHis tag**Background:** The protein encoded by this gene is a proteoglycan that may function as a neural growth and differentiation factor. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 41.9 kDa after removal of the signal peptide. The apparent molecular mass of CSPG5-His is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** CSPG5(Val31–Gln420) 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.

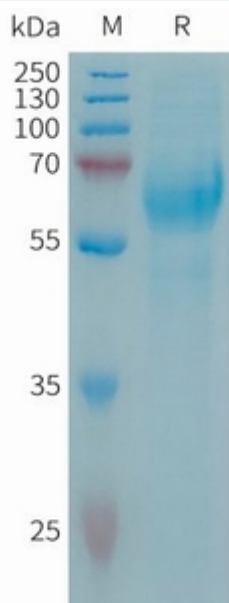


Figure 1. Human CSPG5 Protein, His Tag on SDS-PAGE under reducing condition.