

## HUMAN AMIGO2 PROTEIN, HIS TAG

**Cat.#:** 11784

**Product Name:** Human AMIGO2 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** ALI1;AMIGO-2;DEGA

**Target:** AMIGO2

**UNIPROT ID:** Q86SJ2

**Description:** Recombinant human AMIGO2 protein with C-terminal 6xHis tag

**Background:** Required for depolarization-dependent survival of cultured cerebellar granule neurons. May mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. May contribute to signal transduction through its intracellular domain. May be required for tumorigenesis of a subset of gastric adenocarcinomas.[UniProtKB/Swiss-Prot Function]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 41.7 kDa after removal of the signal peptide. The apparent molecular mass of AMIGO2-His is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** AMIGO2(Val40-Thr398) 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.

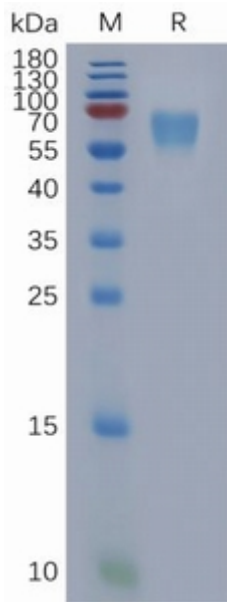


Figure 1. Human AMIGO2 Protein, His Tag on SDS-PAGE under reducing condition.