

HUMAN GFAP (68-377) PROTEIN, HIS TAG**Cat.#:** 11463**Product Name:** Human GFAP (68-377) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** ALXDRD**Target:** GFAP**UNIPROT ID:** P14136**Description:** Recombinant human GFAP(68-377) protein with N-terminal 6xHis tag**Background:** This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 37.2 kDa after removal of the signal peptide. The apparent molecular mass of His-GFAP(68-377) is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** 6×His tag GFAP(Ser68-Ile377)**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.

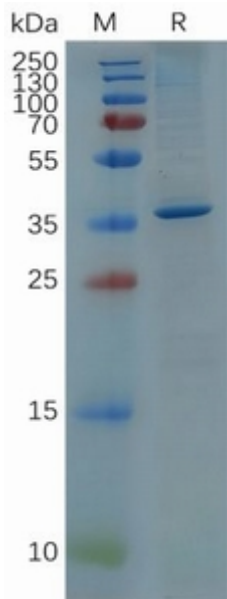


Figure 1. Human GFAP(68-377) Protein, His Tag on SDS-PAGE under reducing condition.