

## HUMAN GFAP (7-66) PROTEIN, HFC TAG

**Cat.#:** 11462

**Product Name:** Human GFAP (7-66) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** ALXDRD

**Target:** GFAP

**UNIPROT ID:** P14136

**Description:** Recombinant Human GFAP(7-66) with C-terminal human Fc 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 32.4 kDa after removal of the signal peptide. The apparent molecular mass of GFAP(7-66)-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** GFAP(Thr7-Arg66) 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.

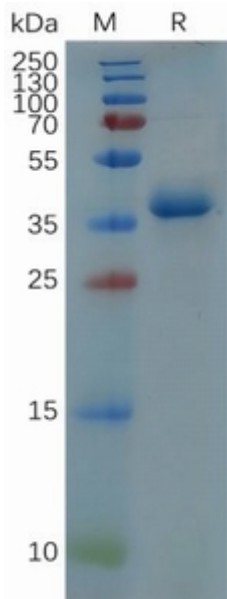


Figure 1. Human GFAP(7-66) Protein, hFc Tag on SDS-PAGE under reducing condition.