

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.

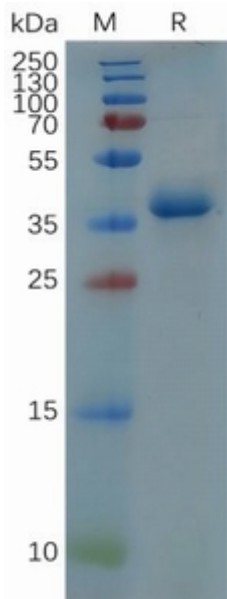


Figure 1. Human GFAP(7-66) Protein, hFc Tag on SDS-PAGE under reducing condition.