

# Recombinant Full Length Human GFAP Protein

Cat. No. GFAP-188HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GFAP (amino acids 1-432) with a N terminal proprietary tag; predicted MWt 73.59kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	432 amino acids
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	73.590kDa inclusive of tags
<b>AA Sequence</b>	MERRRITSAARRSYVSSGEMMVGGGLAPGRRRLGPGTRLSLA RMPPPLPTRVDFSLA GALNAGFKETRASERAEMMELNDRF ASYIEKVRVFLEQQNKALAAELNQLRAKEPTK LADVYQAEI RELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDET N LRLEAEN NLAAYRQEADEATLARLDLKERKIESLEEEI RFL RKIHEEEVRELQEQLARQQVHVELD VAKPDLTAALKEIRT QYEAMASSNMHEAEWYRSKFADLTDAARNAELLRQAKH EANDYRRQLQSLTCDLESRLGTNESLERQMREQEERHVRE AASYQEALARLEEEG

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QSLKDEMARHLQEYQDLLNVKLALD IEIATYRKLLEGEENRITIPVQTFSNLQIRETSL  
DTKSVS EGHKRNIVVKTVMRDGEVIKESKQEHKDVM

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** [GFAP glial fibrillary acidic protein \[ Homo sapiens \]](#)

**Official Symbol** [GFAP](#)

**Synonyms** GFAP; glial fibrillary acidic protein; FLJ45472; intermediate filament protein

**Gene ID** [2670](#)

**mRNA Refseq** [NM\\_001131019](#)

**Protein Refseq** [NP\\_001124491](#)

**MIM** [137780](#)

**UniProt ID** [P14136](#)

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