

# 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>      | MERRRITSAARRSYVSSGEMMVGGLAPGRRRLGPGTRLSLA RMPPPLPTRVDFSLA<br>GALNAGFKETRASERAEMMELNDRF ASYIEKVRFLEQQNKALAAELNQLRAKEPTK<br>LADVYQAEI RELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDET N LRLEAEN<br>NLAAYRQEADEATLARLDLERKIESLEEEIIRFL RKIHEEEVRELQEQLARQQVHVELD<br>VAKPDLTAALKEIRT QYEAMASSNMHEAEWYRSKFADLTDAARNAEELLRQAKH<br>EANDYRRQLQSLTCDLESRLGTNESLERQMREQEERHVRE AASYQEALARLEEEG              |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

QSLKDEMARHLQEYQDLLNVKLALD IEIATYRKLLERGEENRITIPVQTFSNLQIRETSL  
DTKSVS EGH LKRNIVVKT VEMRDGEVIKESKQEHKDVM

**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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