

## Recombinant Human GFAP

Cat. No. GFAP-29017TH 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>	Wheat Germ
<b>ProteinLength</b>	1-432 aa
<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>Molecular Weight</b>	73.590kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in cells lacking fibronectin.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLA RMPPPLPTRVDFSLA GALNAGFKETRASERAEMMELNDRF ASYIEKVRFLEQQNKALAAELNQLRAKEPTK LADVYQAEI RELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDETN LRLEAEN NLAAYRQEADEATLARLDLERKIESLEEEIRFL RKIHEEEVRELQEQLARQQVHVELD VAKPDLTAALKEIRT QYEAMASSNMHEAEWYRSKFADLTDAARNAELLRQAKH EANDYRRQLQSLTCDLES LRGTNESLERQMREQEERHVRE AASYQEALARLEEEG QSLKDEMARHLQEYQDLLNVKLALD IEIATYRKLLERGEENRITIPVQTFSNLQIRETSL DTKSVS EGH LKRNIVVKT VEMRDGEVIKESKQE HKDVM
<b>Sequence Similarities</b>	Belongs to the intermediate filament family.

## GENE INFORMATION

<b>Gene Name</b>	GFAP glial fibrillary acidic protein [ Homo sapiens ]
<b>Official Symbol</b>	GFAP
<b>Synonyms</b>	GFAP; glial fibrillary acidic protein; FLJ45472; intermediate filament protein;
<b>Gene ID</b>	2670
<b>mRNA Refseq</b>	NM_001131019
<b>Protein Refseq</b>	NP_001124491
<b>MIM</b>	137780



<b>Uniprot ID</b>	P14136
<b>Chromosome Location</b>	17q21
<b>Function</b>	integrin binding; structural constituent of cytoskeleton;

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