

Recombinant Human GFAP

Cat. No. GFAP-29017TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GFAP (amino acids 1-432) with a N terminal proprietary tag; predicted MWt 73.59kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	1-432 aa
Description	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.
Molecular Weight	73.590kDa inclusive of tags
Tissue specificity	Expressed in cells lacking fibronectin.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MERRRITSAARRSYVSSGEMMVGGLAPGRR LGPGTRL SLA RMPPPLPTRVDFSLA GALNAGFKETRASERAEMMELNDRF ASYIEKVRFLEQQNKALAAELNQLRAKEPTK LADVYQAEL RELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDET N LRLEAEN NLAAYRQEADEATLARLDLERKIESLEEEIRFL RKIHEEEVRELQEQLARQQVHVELD VAKPDLTAALKEIRT QYEAMASSNMHEAEWYRSKFADLTDAARNAELLRQAKH EANDYRRQLQSLTCDLESLRGTNESLERQMREQEERHVRE AASYQEALARLEEEG QSLKDEMARHLQEYQDLLNVKLALD IEIATYRKLLERGEENRITIPVQTFSNLQIRETSL DTKSVS EGH LKRNIVVKT VEMRDGEVIKESKQEHKDVM
Sequence Similarities	Belongs to the intermediate filament family.

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

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Uniprot ID	P14136
Chromosome Location	17q21
Function	integrin binding; structural constituent of cytoskeleton;

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