

Recombinant Full Length Human GFAP Protein, GST-tagged

Cat. No. GFAP-5315HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GFAP full-length ORF (NP_002046.1, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	432 amino acids
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. [provided by RefSeq
Molecular Mass	76.3 kDa
AA Sequence	MERRRITSAARRSYVSSGEMMVGGLAPGRRLLGPGTRLSLARMPPPLPTRVDFSLA GALNAGFKETRASERAEMMELNDRFASYIEKVRFLEQQNKALAAELNQLRAKEPTKL ADVYQAEELRELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDETNLRLAENNL AAYRQEADEATLARLDLERKIESLEEEIIRFLRKIHEEEVRELQEQLARQQVHVVELDVA KPDLTAAALKEIRTQYEAMASSNMHEAEEWYRSKFADLTDAARNAELLRQAKHEAN DYRRQLQSLTCDLESRLRGTNESLERQMREQEERHVREAASYQEALARLEEEGQSL KDEMARHLQEYQDLLNVKLALDIEIATYRKLLEGEENRITIPVQTFSNLQIRETSLDTK SVSEGHLLKRNIVVKTVMRDRDGEVIKESKQEHKDVM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GFAP glial fibrillary acidic protein [Homo sapiens]
Official Symbol	GFAP
Synonyms	GFAP; glial fibrillary acidic protein; FLJ45472; intermediate filament protein; FLJ42474;
Gene ID	2670
mRNA Refseq	NM_001131019
Protein Refseq	NP_001124491
MIM	137780
UniProt ID	P14136

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