Native Human GFAP protein

Cat. No. GFAP-526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human GFAP protein purified from Human Brain.
Species	Human
Source	Human Brain
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.
Form	Lyophilized from urea, sodium phosphate, and sodium bicarbonate.
Molecular Mass	43,000-49,000
Purity	≥90% by SDS-PAGE
Notes	Prepared from tissues of individuals that have been shown by certified tests to be negative for HBsAg and for antibodies to HIV and HCV.
Stability	Following reconstitution, aliquot and freeze (-20 centigrade). Stock solutions are stable for up to 3 months at -20 centigrade.
Storage	Storage at -20 centigrade.

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Reconstitution	dH2O (1 mg/ml)

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
Chromosome Location	17q21
Pathway	Nuclear signaling by ERBB4, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by ERBB4, organism-specific biosystem;
Function	integrin binding; structural constituent of cytoskeleton;

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