

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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