

## Recombinant Human GFAP protein, His & S-tagged

Cat. No. GFAP-885H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GFAP aa. (Glu254~Glu374 (Accession# P14136)) fused with N-terminal His & S tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu254~Glu374
<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>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	25kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Characteristic</b>	The isoelectric point is 5.1.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	GFAP glial fibrillary acidic protein [ Homo sapiens (human) ]
<b>Official Symbol</b>	GFAP
<b>Synonyms</b>	GFAP; glial fibrillary acidic protein; ALXDRD; glial fibrillary acidic protein
<b>Gene ID</b>	2670
<b>mRNA Refseq</b>	NM_001131019.2
<b>Protein Refseq</b>	NP_001124491.1
<b>UniProt ID</b>	P14136

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA