

Recombinant Human GFAP protein, His & S-tagged

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

SPECIFICATION

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

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

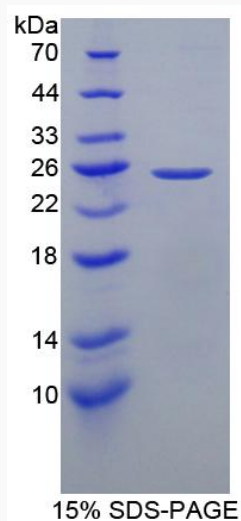
Gene Name	GFAP glial fibrillary acidic protein [Homo sapiens (human)]
Official Symbol	GFAP
Synonyms	GFAP; glial fibrillary acidic protein; ALXDRD; glial fibrillary acidic protein
Gene ID	2670
mRNA Refseq	NM_001131019.2
Protein Refseq	NP_001124491.1
UniProt ID	P14136

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SDS-PAGE



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