

## Recombinant Human GFAP Protein, His-tagged

Cat. No. GFAP-2201H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GFAP Protein (Glu254-Met432) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu254-Met432
<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>	Predicted Molecular Mass: 24.7 kDa Accurate Molecular Mass: 27 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## 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; FLJ45472; intermediate filament protein; FLJ42474;
<b>Gene ID</b>	2670
<b>mRNA Refseq</b>	NM_001131019
<b>Protein Refseq</b>	NP_001124491
<b>MIM</b>	137780

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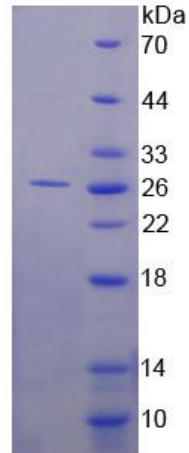
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UniProt ID

P14136



15% SDS-PAGE

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