

Recombinant Human GFAP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GFAP-5627H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GFAP MS Standard C13 and N15-labeled recombinant protein (NP_002046) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	49.9 kDa
AA Sequence	MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARMPPPLPTRVDFSLA GALNAGFKETRASERAEMMELNDRFASYIEKVRFLEQQNKALAAELNQLRAKEPTKL ADVYQAE LRELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDETNLRLAENNL AAYRQEADEATLARLDLKERKIESLEEEIRFLRKIHEEEVRELQEQLARQQVHVELDVA KPDLTAAALKEIRTQYEAMASSNMHEAEWYRSKFADLTDA AARNAELLRQAKHEAN DYRRQLQSLTCDLES LRGTNESLERQMREQEERHVREAASYQEALARLEEEGQSL KDEMARHLQEYQDLLNVKLALDIEIATYRKLLERGEENRITIPVQTFSNLQIRETSLDTK SVSEGHLKRNIVVKT VEMRDGEVIKESKQEHKDVMTTRTRPLEQKLISEEDLAANDILD

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YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GFAP glial fibrillary acidic protein [Homo sapiens (human)]

Official Symbol GFAP

Synonyms GFAP; glial fibrillary acidic protein; FLJ45472; intermediate filament protein; FLJ42474;

Gene ID 2670

mRNA Refseq NM_002055

Protein Refseq NP_002046

MIM 137780

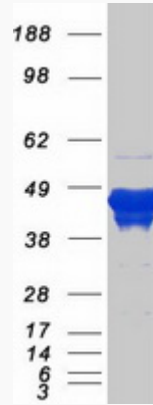
UniProt ID P14136

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SDS-PAGE



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