

Recombinant Human Citrullinated GFAP Protein, His tagged

Cat. No. GFAP-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal histidine-tagged GFAP expressed in E. coli, citrullinated with recombinant human PAD2
Species	Human
Source	E.coli
ProteinLength	2-432 aa
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	10 mM Tris, pH 7.4
Molecular Mass	51.9 kDa
Purity	≥85% estimated by SDS-PAGE
Storage	At -80 centigrade. Stability: ≥ 1 year
Shipping	Dry ice in continental US; may vary elsewhere

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Reference

1. Hol, E.M., and Capetanaki, Y. Type III intermediate filaments desmin, glial fibrillary acidic protein (GFAP), vimentin, and peripherin. Cold Spring Harb. Perspect. Biol. 9(12), a021642 (2017). 2. Ishigami, A., Masutomi, H., Handa, S., et al. Mass spectrometric identification of citrullination sites and immunohistochemical detection of citrullinated glial fibrillary acidic protein in Alzheimer's disease brains. J. Neurosci. Res. 93(11), 1664-1674 (2015).

GENE INFORMATION

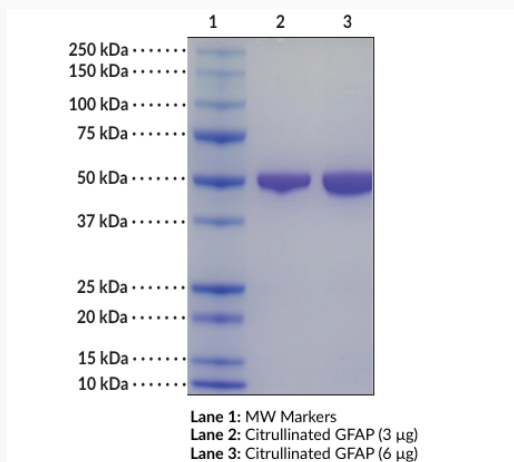
Gene Name	GFAP glial fibrillary acidic protein [Homo sapiens (human)]
Official Symbol	GFAP
Synonyms	GFAP; glial fibrillary acidic protein; glial fibrillary acidic protein
Gene ID	2670
mRNA Refseq	NM_002055
Protein Refseq	NP_002046
MIM	137780
UniProt ID	P14136

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SDS-PAGE



Sequence

MGSSHHHHHH	SSGENLYFQG	SERRRITSAA	RRSYVSSGEM	MVGGLAPGRR
LPGCTRLSLA	RMPPPLPTRV	DFSLAGALNA	GFKETRASEK	AEMMELNDRF
ASYIEKVFL	EQQNKALAAE	LNQLRAKEPT	KLADVYQAEI	RELRLRLDQL
TANSARLEVE	RDNLAQDLAT	VRQKLQDETQ	LRLEAENLIA	AYRQEADEAT
LARLDLERKI	ESLEEEIRFL	RKIHEEEVRE	LQEQLARQVQ	HVELDVAKPD
LTAALKEIRT	QYEAMASSNM	HEAEWYRSK	FADLTDAAR	NAELLRQAKH
EANDYRRQLQ	SLTCDLESIR	GTNESLERQM	REQEERHVRE	AASYQEALAR
LEEEGQSLKD	EMARHLQEYQ	DLLNVKLALD	IEIATYRKLL	EGEENRITIP
VQTFSNLQIR	ETSLDTKSVS	EGHLKRNVIV	KTVEMRDGEV	IKESKQEHKD

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