

Recombinant Mouse Gfap Protein, His-tagged

Cat. No. Gfap-1575M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gfap Protein (Met1-Glu69) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Glu69
Description	A structural constituent of cytoskeleton. Involved in regulation of chaperone-mediated autophagy. Acts upstream of or within with a positive effect on D-aspartate import across plasma membrane; gene expression; and intracellular protein transport. Acts upstream of or within several processes, including intermediate filament organization; long-term synaptic potentiation; and neurogenesis. Located in several cellular components, including astrocyte end-foot; cell body; and intermediate filament. Is expressed in several structures, including alimentary system; hemolymphoid system; integumental system; nervous system; and sensory organ. Used to study Alexander disease. Human ortholog(s) of this gene implicated in Alexander disease. Orthologous to human GFAP (glial fibrillary acidic protein).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.4 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

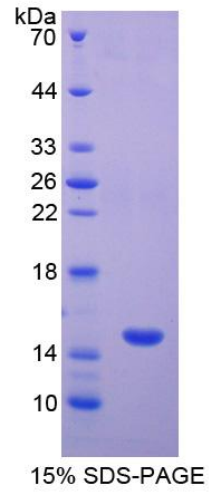
GENE INFORMATION

Gene Name	Gfap glial fibrillary acidic protein [Mus musculus (house mouse)]
Official Symbol	Gfap
Synonyms	GFAP; glial fibrillary acidic protein; intermediate filament protein; AI836096;
Gene ID	14580
mRNA Refseq	NM_001131020
Protein Refseq	NP_001124492
UniProt ID	P03995

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