Active Recombinant Human GFAP protein, His-tagged

Cat. No. GFAP-468H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFAP protein(Met 1 - Met 432), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Met 1 - Met 432
Form	Lyophilized from 0.22 μm filtered solution in 20 mM Tris, 500 mM NaCl, 0.5 M Arginine, pH8.0 with trehalose as protectant.
Bio-activity	Immobilized Human GFAP, His Tag at 1 μg/mL (100 μL/well) can bind GFAP Monoclonal Antibody with a linear range of 0.8-25 ng/mL.
Molecular Mass	The protein has a calculated MW of 51.9 kDa. The protein migrates as 50 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles.

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	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	GFAP glial fibrillary acidic protein [Homo sapiens]
Official Symbol	GFAP
Synonyms	GFAP; glial fibrillary acidic protein; FLJ45472; intermediate filament protein; FLJ42474
Gene ID	2670
mRNA Refseq	NM_001131019
Protein Refseq	NP_001124491
MIM	137780
UniProt ID	P14136

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