Glial fibrillary acidic Protein, Human (432a.a, His)

Cat. No.:	HY-P702496
Synonyms:	rHuGlial fibrillary acidic protein/GFAP, His; Glial Fibrillary Acidic Protein; GFAP
Species:	Human
Source:	E. coli
Accession:	P14136 (M1-M432)
Gene ID:	2670
Molecular Weight:	54.0 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Glial Fibrillary Acidic Protein (GFAP), classified as a class-III intermediate filament, serves as a cell-specific marker crucial for distinguishing astrocytes from other glial cells, particularly during the central nervous system's developmental stages. As a key structural component of astrocytes, GFAP contributes to the formation and maintenance of the cytoskeleton, providing structural support and stability. Additionally, GFAP is recognized as a reliable marker for identifying and characterizing astroglial cells in various physiological and pathological contexts. It has been reported to interact with SYNM, indicating potential functional connections between GFAP and other proteins involved in cytoskeletal dynamics or cellular signaling within the astrocyte. Ongoing research may provide further insights into the multifaceted roles of GFAP in astrocyte biology and central nervous system development.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA