

GFAP, Human Recombinant

CATALOG NO: P1364-10 10 µg

ALTERNATE NAMES: Glial Fibrillary Acidic Protein, GFAP

SOURCE: *E.coli*

PURITY: > 95% by SDS – PAGE

Tag: Recombinant Human Glial Fibrillary Acidic Protein is produced in *E.coli* expression system and the target gene encoding Leu 292-Met 432 is expressed with a 6His tag at the N-terminus.

ENDOTOXIN LEVEL: < 0.1 EU ng/µg of protein (1 IEU/µg) determined by LAL method.

FORM: Lyophilized

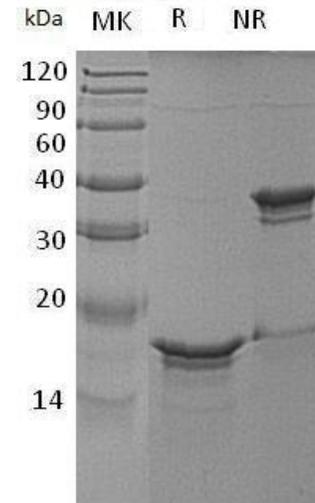
FORMULATION: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.25.

STORAGE CONDITIONS: Aliquot and store at <-20°C, stable for 6 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

SEQUENCE: MGSSHHHHHSSGLVPRGSHMLTCDLESRLGTNESLERQMRE
QEERHVREAASYQEALARLEEEGQSLKDEMARHLQEYQDLLNV
KLALDIEIATYRKLLLEGEENRITIPVQTFNSNLQIRETSLDTKSVSEG
HLKRNIIVKTVEMRDGEVIKESKQEHKDVM

DESCRIPTION: Glial Fibrillary Acidic Protein (GFAP) is an intermediate filament (IF) protein which belongs to the intermediate filament family. GFAP is expressed in numerous cell types of the central nervous system (CNS), ependymal cells and phosphorylated by PKN1. GFAP, a class-III intermediate filament, is a cell-specific marker during the development of the central nervous system and distinguishes astrocytes from other glial cells. It is closely related to its non-epithelial family members, vimentin, desmin, and peripherin, which are all involved in the structure and function of the cell's cytoskeleton. GFAP is thought to help to maintain astrocyte mechanical strength, as well as the shape of cells but its exact function remains poorly understood.



Human recombinant GFAP

RELATED PRODUCT:

- Anti-GFAP (C-Terminal) Rabbit Monoclonal Antibody (Cat. No. A1610)
- Anti-GFAP Rabbit Monoclonal Antibody (Cat. No. A1124)
- GFAP Antibody (Cat. No. 3206)
- GFAP Blocking Peptide (Cat. No. 3206BP)

FOR RESEARCH USE ONLY! Not to be used on humans.