

**Ordering Information**

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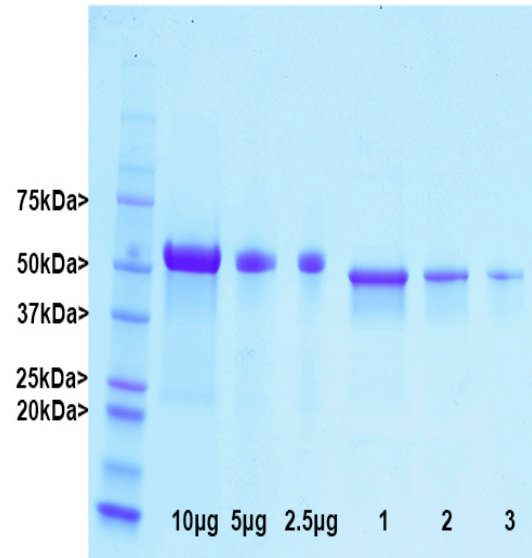
**HGNC Name:** GFAP  
**RRID:** Pending  
**Format:** 1mg/mL in 6M Urea  
**Storage:** Store at -20°C  
**UniProt:**

**References:**

1. Leung, C. L. and Liem, R. K. H. Isolation of intermediate filaments. *Curr. Prot. Cell Biol.* 3:Unit 3.23 doi: 10.1002/0471143030.cb0323s31 (2006).
2. Bignami A, Eng LF, Dahl D, Uyeda CT. Localization of the glial fibrillary acidic protein in astrocytes by immunofluorescence. *Brain Res.* 43:429-35 1972.
3. Brenner M. et al.. Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease. *Nat Genet* 27:117-20 2001
4. Liem RKH, Yen SH, Salomon GD and Shelanski ML. Intermediate filaments in nervous tissues. *J Cell Biol* 79:637-745 (1978).
5. Moeton, M. et al. GFAP isoforms control intermediate filament network dynamics, cell morphology, and focal adhesions *Cell Mol Life Sci* 73:4101-4120 (2016).

# Prot-m-GFAP

Applications	Host	Molecular Wt.	HGNC	UniPort
ELISA, western blotting standard	Pig	50kDa	GFAP	



Pig GFAP was purified by a modification of the method of Leung and Liem (1). Cytoskeletal material was prepared by homogenization, detergent extraction and centrifugation to produce a pellet containing intermediate filaments and other stable protein complexes. This material was dissolved in 6M urea and separated by ion exchange chromatography on hydroxyapatite and then on a phosphate gradient on DEAE-cellulose to produce pure GFAP. The gel shows molecular weight standards in lane S and the indicated amounts of BSA in the next three lanes. The last three lanes show three loadings of the GFAP fraction.

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**Abbreviation Key:**

**mAb**—Monoclonal Antibody **pAb**—Polyclonal Antibody **WB**—Western Blot **IF**—Immunofluorescence **ICC**—Immunocytochemistry  
**IHC**—Immunohistochemistry **E**—ELISA **Hu**—Human **Mo**—Monkey **Do**—Dog **Rt**—Rat **Ms**—Mouse **Co**—Cow **Pi**—Pig **Ho**—Horse **Ch**—Chicken  
**Dr**—*D. rerio* **Dm**—*D. melanogaster* **Sm**—*S. mutans* **Ce**—*C. elegans* **Sc**—*S. cerevisiae* **Sa**—*S. aureus* **Ec**—*E. coli*.