

## Product datasheet for **TP304548L**

### GFAP (NM\_002055) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glial fibrillary acidic protein (GFAP), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204548 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARMPPPLPTRVDFSLAGALNAGFKETRASER  
AEMMELNDRFASYIEKVRFLQNKALAAELNQLRAKEPTKLADVYQAELELRLRLDQLTANSARLEVE  
RDNLAQDLATVRQKLQDETNLRLAENNLAAAYRQEADEATLARLDLERKIESLEEEIRFLRKIHHEEVRE  
LQEQRLARQQVHVELDVAKPDLTAALKEIRTQYEAMASSNMHEAEWYRSKFADLTDAAARNAELLRQAKH  
EANDYRRQLQSLTCDLESRLGTNESLERQMREQEERHVREAASYQEALARLEEEGQSLKDEMARHLQEYQ  
DLLNVKLALDIEIATYRKLLERGEENRITIPVQTFSNLQIRETSLDTKSVSEGHLLKRNIVVKTVMEMRDGEV  
IKESKQEHKDVM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	49.7 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	WB positive control (PMID: <a href="#">29774780</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_002046](#)

Locus ID: 2670

UniProt ID: [P14136](#), [A7REI1](#)

RefSeq Size: 3097

Cytogenetics: 17q21.31

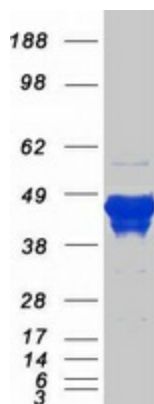
RefSeq ORF: 1296

Synonyms: ALXDRD

**Summary:** This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

**Protein Families:** ES Cell Differentiation/IPS

### Product images:



Coomassie blue staining of purified GFAP protein (Cat# [TP304548]). The protein was produced from HEK293T cells transfected with GFAP cDNA clone (Cat# [RC204548]) using MegaTran 2.0 (Cat# [TT210002]).