

Product datasheet for **TP304548M**

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, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC204548 protein sequence
Red=Cloning site **Green**=Tags(s)

MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARMPPPLPTRVDFSLAGALNAGFKETRASER
AEMMELNDRFASYIEKVRFLQNKALAAELNQLRAKEPTKLADVYQAELELRLRLDQLTANSARLEVE
RDNLAQDLATVRQKLQDETNLRLAENNLAAAYRQEADEATLARLDLERKIESLEEEIRFLRKIHVEEVRE
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: [29774780](#))
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

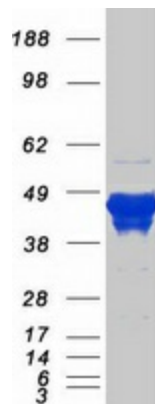
RefSeq ORF: 1296

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]).