

Product datasheet for PH304548

GFAP (NM_002055) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GFAP MS Standard C13 and N15-labeled recombinant protein (NP_002046)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204548
Predicted MW:	49.9 kDa
Protein Sequence:	>RC204548 protein sequence Red=Cloning site Green=Tags(s)

MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARMPPPLPTRVDFSLAGALNAGFKETRASER
AEMMELNDRFASYIEKVRFLQEQNKALAAELNQLRAKEPTKLADVYQAELELRLRLDQLTANSARLEVE
RDNLAQDLATVRQKLQDETNLRLLEAENLAAYRQEADEATLARLDLERKIESLEEEIRFLRKIHEEEVRE
LQEQLARQVHVELDVAKPDLTAALKEIRTQYEAMASSNMHEAEWYRSKFADLTDAAARNAELLRQAKH
EANDYRRQLQSLTCDLESLRGTNESLERQMQREERHVREAASYQEALARLEEGQSLKDEMARHLQEYQ
DLLNVKLALDIEIATYRKLLLEGEENRITIPVQTFSNLQIRETSLDTSVSEGLKRNIVVKTVMRDGEV
IKESKQEHKDVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002046
RefSeq Size:	3097
RefSeq ORF:	1296
Synonyms:	ALXDRD



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Locus ID: 2670

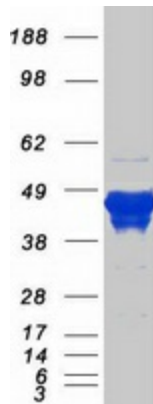
UniProt ID: [P14136](#), [A7REI1](#)

Cytogenetics: 17q21.31

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]).