

Product datasheet for TP303175M

GAP43 (NM_002045) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human growth associated protein 43 (GAP43), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203175 protein sequence Red=Cloning site Green=Tags(s)

MLCCMRRTKQVEKNDDQKIEQDGIKPEDKAHKAATKIQASFRGHITRKKLKGEKKDDVQAAEAEANKKD
EAPVADGVEKKGEGTTTAAEAPATGSKPDEPGKAGETPSEEKKGEGDAATEQAAPQAPASSEEKAGSAET
ESATKASTDNSPSSKAEDAPAKEEPKQADVPAAVTAAATTPAAEDAAAKATAQPPTETGESSQAENIE
AVDETKPKESARQDEGKEEPEADQEHA

TRTRPLEQLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	24.6 kDa
Concentration:	>0.05 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
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.
RefSeq:	NP_002036
Locus ID:	2596



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UniProt ID: [P17677](#), [Q5U058](#)

RefSeq Size: 1747

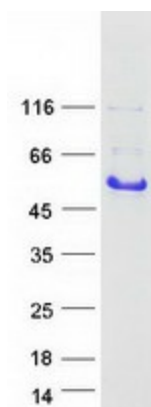
Cytogenetics: 3q13.31

RefSeq ORF: 714

Synonyms: B-50; GAP-43; PP46

Summary: The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified GAP43 protein (Cat# [TP303175]). The protein was produced from HEK293T cells transfected with GAP43 cDNA clone (Cat# [RC203175]) using MegaTran 2.0 (Cat# [TT210002]).