

Product datasheet for PH303175

GAP43 (NM_002045) Human Mass Spec Standard

Product data:

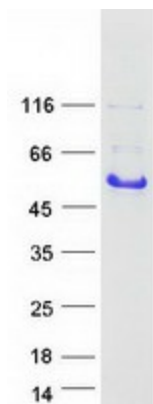
Product Type:	Mass Spec Standards
Description:	GAP43 MS Standard C13 and N15-labeled recombinant protein (NP_002036)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203175
Predicted MW:	24.8 kDa
Protein Sequence:	>RC203175 protein sequence Red=Cloning site Green=Tags(s) MLCCMRRTKQVEKNDDQKIEQDGIKPEDKAHKAATKIQASFRGHITRKKLKGEKKDDVQAAEAEANKKD EAPVADGVEKKGEGTTTAEAAPATGSKPDEPGKAGETPSEEKKGEGDAATEQAAPQAPASSEEKAGSAET ESATKASTDNSPSSKAEDAPAKEEPKQADVPAAVTAAAATTPAAEDAAAKATAQPPTETGESSQAEENIE AVDETKPKESARQDEGKEEEPEADQEHA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002036</u>
RefSeq Size:	1747
RefSeq ORF:	714
Synonyms:	B-50; GAP-43; PP46
Locus ID:	2596
Cytogenetics:	3q13.31



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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]).