

Recombinant Full Length Human GAP43 Protein, GST-tagged

Cat. No. GAP43-5416HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GAP43 full-length ORF (AAH07936, 1 a.a. - 238 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	238 amino acids
Description	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]
Molecular Mass	51.92 kDa
AA Sequence	MLCCMRRTKQVEKNDDQKIEQDGIKPEDKAHKAATKIQASFRGHITRKKLKGEEKD DVQAAEAEANKKDEAPVADGVEKKGEGTTTAEAAPATGSKPDEPGKAGETPSEEK KGEFDAATEQAAPQAPASSEKAGSAETESATKASTDNSPSSKAEDAPAKEEPKQA DVPAAVTAAAATTPAAEDAAAKATAQPPTETGESSQAEENIEAVDETKPKESARQDE GKEEPEADQEHA
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GAP43 growth associated protein 43 [Homo sapiens]
Official Symbol	GAP43
Synonyms	GAP43; growth associated protein 43; neuromodulin; axonal membrane protein GAP 43; B 50; calmodulin binding protein P 57; nerve growth related peptide GAP43; neural phosphoprotein B 50; neuron growth associated protein 43; PP46; protein F1; neural phosphoprotein B-50; growth-associated protein 43; axonal membrane protein GAP-43; calmodulin-binding protein P-57; nerve growth-related peptide GAP43; neuron growth-associated protein 43; B-50;
Gene ID	2596
mRNA Refseq	NM_001130064
Protein Refseq	NP_001123536
MIM	162060

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UniProt ID

P17677

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