

# Recombinant Full Length Human GAP43 Protein

Cat. No. GAP43-178HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GAP43 with an N terminal proprietary tag; Predicted MWt 52.29 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	238 amino acids
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	52.290kDa inclusive of tags
<b>AA Sequence</b>	MLCCMRRTKQVEKNDQKIEQDGIKPEDKAHKAATKIQA SFRGHITRKKLKGEKK DDVQAAEAEANKKDEAPVADGVEK KEGGTTTAEAAPATGSKPDEPGKAGETPSEE KKGEGDAAT EQAAPQAPASSEKAGSAETESATKASTDNSPSSKAEDAP AKEEPK QADVPAAVTAAAATTPAAEDAAAKATAQPPTETG ESSQAEENIEAVDETKPKESAR QDEGKEEEPEADQEHA

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<b>Purity</b>	Proprietary Purification
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
<b>Storage Buffer</b>	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

<b>Gene Name</b>	GAP43 growth associated protein 43 [ Homo sapiens ]
<b>Official Symbol</b>	GAP43
<b>Synonyms</b>	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
<b>Gene ID</b>	2596
<b>mRNA Refseq</b>	NM_001130064
<b>Protein Refseq</b>	NP_001123536
<b>MIM</b>	162060
<b>UniProt ID</b>	P17677

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