

Recombinant Human GAP43 protein, His-tagged

Cat. No. GAP43-016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GAP43 protein(P17677)(Met1-Ala238), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ala238
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human GAP43 consists of 249 amino acids and has a predicted molecular mass of 26.2 kDa. As a result of glycosylation, the apparent molecular mass of rhGAP43 is approximately 47 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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
UniProt ID	P17677

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