

Recombinant Human GAP43

Cat. No. GAP43-28977TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GAP43 with an N terminal proprietary tag; Predicted MWt 52.29 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	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.
Molecular Weight	52.290kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MLCCMRRTKQVEKNDDDDQKIEQDGIKPEDKAHKAATKIQA SFRGHITRKKLKGEEKK
 DDVQAAEAEANKKDEAPVADGVEK KEGGTTTAEAAPATGSKPDEPGKAGETPSEE
 KKGEGDAAT EQAAPQAPASSEEEKAGSAETESATKASTDNSPSSKAEDAP AKEEPK
 QADVPAAVTAAAATTPAAEDAAAKATAQPPTETG ESSQAEENIEAVDETKPKESAR
 QDEGKEEEPEADQEHA

Sequence Similarities

Belongs to the neuromodulin family. Contains 1 IQ domain.

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;

Gene ID [2596](#)

mRNA Refseq [NM_001130064](#)

Protein Refseq [NP_001123536](#)

MIM [162060](#)

Uniprot ID [P17677](#)

Chromosome Location 3q21-qter

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Pathway	N-cadherin signaling events, organism-specific biosystem;
Function	calmodulin binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA