

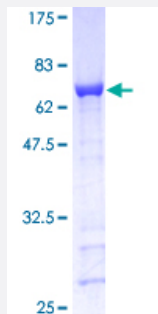
Full-Length

## GAP43 (Human) Recombinant Protein (P01)

Catalog # H00002596-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human GAP43 full-length ORF ( AAH07936, 1 a.a. - 238 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MLCCMRRTKQVEKNDDQKIEQDGKPEDKAHKAATKIQASFRGHITRKKLKGEKKDDVQAAEA  
EANKKDEAPVADGVEKKGEGTTTAAEAPATGSKPDEPGKAGETPSEEKKGEGDAATEQAAPQ  
APASSEKAGSAETESATKASTDNSPSSKAEDAPAKEEPKQADVPAAVTAAAATTPAAEDAAA  
KATAQPPTETGESSQAEENIEAVDETKPKESARQDEGKEEEPEADQEHA

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

51.92

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

#### Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — GAP43

Entrez GeneID [2596](#)

GeneBank Accession# [BC007936](#)

Protein Accession# [AAH07936](#)

Gene Name GAP43

Gene Alias B-50, PP46

Gene Description growth associated protein 43

Omim ID [162060](#)

Gene Ontology [Hyperlink](#)

**Gene 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]

**Other Designations** axonal membrane protein GAP-43|calmodulin-binding protein P-57|nerve growth-related peptide GAP43|neural phosphoprotein B-50|neuromodulin|neuron growth-associated protein 43|protein F1

## Disease

- [Tobacco Use Disorder](#)