

General Information

Gene Name Synonym

Axonal membrane protein GAP-43; Growth-associated protein 43; Neural phosphoprotein B-50; pp46

Protein Construction

A DNA sequence encoding the human GAP43 (P17677) (Met 1-Ala 238) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 96 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met 1

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

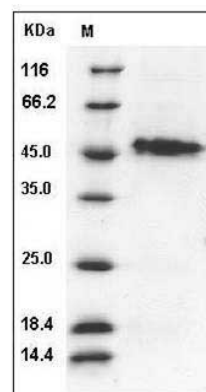
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human GAP43 / Neuromodulin Protein (His Tag) SDS-PAGE