9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3864: GAP43 Recombinant Protein

Alternative Name :	Growth associated protein 43,Axonal membrane protein GAP-43,Neural phosphoprotein B-50,calmodulin-binding protein P-57,nerve growth-related peptide GAP43,neuromodulin,protein F1,pp46,B-50.

Description

Source : E.coli. GAP43 Human Recombinant produced in E. coli is a single polypeptide chain containing 262 amino acids (1-238) and having a molecular mass of 27.3kDa (Molecular size on SDS-PAGE will appear higher).GAP43 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GAP43 is a phosphoprotein of the presynaptic membrane that takes part in synaptic reorganization and neural development. GAP43 is found in large quantities in neuronal growth cones all through the development and axonal regeneration. Additionally, GAP43 is involved in specific regions of the normal adult nervous system and has a vital part in the conservation mechanism of long-term potentiation (LTP).

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The GAP43 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM Nacl and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMLCCMR RTKQVEKNDD DQKIEQDGIK PEDKAHKAAT KIQASFRGHI TRKKLKGEKK DDVQAAEAEA NKKDEAPVAD GVEKKGEGTT TAEAAPATGS KPDEPGKAGE TPSEEKKGEG DAATEQAAPQ APASSEEKAG SAETESATKA STDNSPSSKA EDAPAKEEPK QADVPAAVTA AAATTPAAED AAAKATAQPP TETGESSQAE ENIEAVDETK PKESARQDEG KEEEPEADQE HA

For Research Use Only. Not for use in diagnostic/therapeutics procedures.