

Growth Associated Protein 43 Human Recombinant

Item Number	rAP-3800
Synonyms	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	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 tech-
Uniprot Accession Number	P17677
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMLCCMR RTKQVEKNDD DQKIEQDGIK PEDKAHKAAT KIQAS-FRGHI TRKKLKGEKK DDVQAAEAEA NKKDEAPVAD GVEKKGEGTT TAEAAPATGS KPDEPGKAGE TPSEKKGEG DAATEQAAPQ APASSEKAG SAETESATKA STDNSPSSKA EDAPAKEEPK QADVPAAVTA AAATTPAAED AAKATAQPP TETGESSQAE ENIEAVDETK PKESARQDEG KEEE-PEADQE HA
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The GAP43 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**