



Catalog Number: PR27243

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MSLSRSEEMH RLTENYKTI MEQFNPSLRN FIAMGKNYEK ALAGVTYAAK GYFDALVKMG ELASESQGSK ELGDVLFQMA EVHRQIQNQL EEMLKSFHNE LLTQLEQKVE LDSRYLSAAL KKYQTEQRSK GDALDKQAE LKCLRKKSQG SKNPQKYSKD ELQYIDAIN KQGELENYVS DGYKTALTEE RRRFCFLVEK QCAVAKNSAA YHSGKELLA QKLPLWQQAC ADPSKIPERA VQLMQQVASN GATLPSALSA SKSNLVISDP IPGAKPLPVP PELAPFVGRM SAQESTPIMN GVTGPDGEDY SPWADRCAAQ PKSLSPQSQ SKLSDSYSNT LPVRKSVTPK NSYATTAENK TLPRSSMAA GLERNGRMRV KAIFSHAAGD NSTLLSFKEG DLITLLVPEA RDGWHYGESE KTKMRGWFPF SYTRVLDSDG SDRLHMSLQQ GKSSSTGNLL DKDDLAIPPP DYGAASRAFP AQTASGFKQR PYSVAVPAFS QGLDDYGARS MSSSGTGLVS TVVEHHHHHH

Description/Molecular Mass: BAIAP2 is a ubiquitous regulator of the actin cytoskeleton. Controlled by the Rho-family GTPases BAIAP2 facilitates filopodia development. BAIAP2 is expressed in the cytoplasm and binds small membrane-bound G-proteins to cytoplasmic effector proteins. BAIAP2 was identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is related to an autosomal dominant neurodegenerative disease.

BAIAP2 Human Recombinant produced in *E.coli* is a single, non-glycosylated polypeptide chain containing 530 amino acids (1-522) and having a molecular mass of 58.4kDa.

BAIAP2 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: The BAIAP2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.

Storage: 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.

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