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32-3229: ARFIP2 Recombinant Protein

Alternative Name : ADP-ribosylation factor interacting protein 2,partner of RAC1 (arfaptin 2),Partner of RAC1,Protein POR1,arfaptin-2,POR1.

Description

Source : E.coli. ARFIP2 Human Recombinant produced in E. coli is a single polypeptide chain containing 364 amino acids (1-341) and having a molecular mass of 40.2 kDa.ARFIP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Arfaptin 2 (ARFIP2) is a Rac1 binding protein essential for Rac-mediated actin polymerization and the succeeding formation of membrane ruffles and lamellipodia. ARFIP2 is a putative target protein of ADP-ribosylation factor. ARFIP2 is also involved in membrane ruffling. ARFIP2 expression is increased at sites of neurodegeneration. In addition, ARFIP2 interacts with the ADP ribosylation factor ARF6, a GTPase which associates with the plasma membrane and intracellular endosome vesicles, in a GTP dependent mode. Furthermore, Arfaptin 2 controls the aggregation of mutant Huntingtin protein by weakening proteasome function.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The ARFIP2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 40% 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 MGS TDGILG KAATMEIPIH GNGEARQLPE DDGLEQDLQQ VMVSGPNLNE TSIVSGGYGG SGDGLIPTGS GRHPSHSTTP SGPGDEVARG IAGEKFDIVK KWGINTYKCT KQLLSERFGR GSRTVDLELE LQIELLRETK RKYESVLQLG RALTAHLYSL LQTQHALGDA FADLSQKSPE LQEEFGYNAE TQKLLCKNGE TLLGAVNFFV SSINTLVTKT MEDTLMTVKQ YEAARLEYDA YRTDLEELSL GPRDAGTRGR LESAQATFQA HRDKYEKLRG DVAIKLKFLE ENKIKVMHKQ LLLFHNAVSA YFAGNQKQLE QTLQQFNIKL RPPGAEKPSW LEEQ