

Product datasheet

Recombinant Human BAIAP2 protein ab119452

1 图像

概述

产品名称	重组人BAIAP2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

Accession [Q9UQB8](#)

种属 Human

序列
 MSLSRSEEMH RLTENVYKTI MEQFNPSLRN
 FIAMGKNYEK ALAGVTYAAK GYFDALVKMG
 ELASESQGSK ELGDVLFQMA EVHRQIQNQL
 EEMLKSFHNE LLTQLEQKVE LDSRYLSAAL
 KKYQTEQRSK GDALDKQAE LKKLRKKSQG
 SKNPQKYSKD ELQYIDAISN KQGELENYVS
 DGKKTALTEE RRRFCFLVEK QCAVAKNSAA
 YHSGKELLA QKLPLWQQAC ADPSKIPERA
 VQLMQQVASN GATLPSALSA SKSNLVISDP
 IPGAKPLPVP PELAPFVGRM SAQESTPIMN
 GVTGPDGEDY SPWADRKAAQ PKSLSPQSQ
 SKLSDSYSNT LPVRKSVTPK NSYATTAENK
 TLPRSSMAA GLERNRMRV KAIFSHAAGD
 NSTLLSFKEG DLITLLVPEA RDGWHYGESE
 KTKMRGWFPF SYTRVLDSGD SDRLHMSLQQ
 GKSSSTGNLL DKDDLAIPPP DYGAASRAFP
 AQTASGFKQR PYSVAVPAFS QGLDDYGARS
 MSSGSGTLVS TVVEHHHHHH

分子量 58 kDa including tags

氨基酸 1 to 522

标签 His tag C-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab119452** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
纯度	> 90 % SDS-PAGE. ab119452 was purified using conventional chromatography techniques.
形式	Liquid

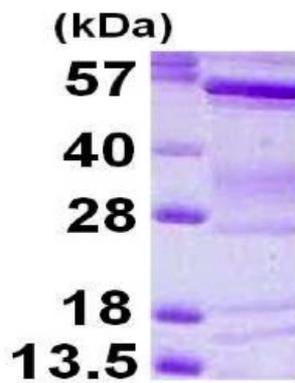
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 30% Glycerol, 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium chloride
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常规信息

功能	Adapter protein that links membrane-bound small G-proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts synergetically with ENAH to promote filopodia formation.
组织特异性	Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta.
序列相似性	Contains 1 IMD (IRSp53/MIM homology) domain. Contains 1 SH3 domain.
结构域	The IMD domain forms a coiled coil. The isolated domain can induce actin bundling and filopodia formation. In the absence of G-proteins intramolecular interaction between the IMD and the SH3 domain gives rise to an auto-inhibited state of the protein. Interaction of the IMD with RAC1 or CDC42 leads to activation. The SH3 domain interacts with ATN1, BAI1, WASF1, WASF2, SHANK1, DIAPH1 and ENAH.
翻译后修饰	Phosphorylated on tyrosine residues by INSR in response to insulin treatment.
细胞定位	Cytoplasm. Membrane. Cell projection > filopodium. Cell projection > ruffle. Detected throughout the cytoplasm in the absence of specific binding partners. Detected in filopodia and close to membrane ruffles.

图片



15% SDS-PAGE showing ab119452 at approximately 58.4kDa (3 μ g).

SDS-PAGE - BAIAP2 protein (ab119452)

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