

### Recombinant Human IRSp53 protein (His tag) ab119452

#### 1 图像

#### 描述

<b>产品名称</b>	重组人IRSp53蛋白(His tag)
<b>纯度</b>	> 90 % SDS-PAGE. ab119452 was purified using conventional chromatography techniques.
<b>表达系统</b>	Escherichia coli
<b>Accession</b>	<u><b>Q9UQB8</b></u>
<b>蛋白长度</b>	Full length protein
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	<pre> MSLSRSEEMH  RLTENYKTI  MEQFNPSLRN FIAMGKNYEK  ALAGVTYAAK  GYFDALVKMG ELASESQGSK  ELGDVLFQMA  EVHRQIQNQL EEMLKSFHNE  LLTQLEQKVE  LDSRYLSAAL KKYQTEQRSK  GDALDKCQAE  LKKLRKKSQG SKNPQKYSKD  ELQYIDAISN  KQGELENYVS DGYKTALTEE  RRRFCFLVEK  QCAVAKNSAA YHSGKELLA  QKLPLWQQAC  ADPSKIPERA VQLMQQVASN  GATLPSALSA  SKSNLVISDP IPGAKPLPVP  PELAPFVGRM  SAQESTPIMN GVTGPDGEDY  SPWADRKAAQ  PKSLSPPQSQ SKLSDSYSNT  LPVRKSVTPK  NSYATTAENK TLPRSSMAA  GLERNRMRV  KAIFSHAAGD NSTLLSFKEG  DLITLLVPEA  RDGWHYGESE KTKMRGWFPF  SYTRVLDSGD  SDRLHMSLQQ GKSSSTGNLL  DKDDLAIPPP  DYGAASRAFP AQTASGFKQR  PYSVAVPAFS  QGLDDYGARS MSSSGTGLVS  TVVEHHHHHH           </pre>
<b>预测分子量</b>	58 kDa including tags
<b>氨基酸</b>	1 to 522
<b>标签</b>	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.

<b>应用</b>	SDS-PAGE
<b>形式</b>	Liquid
<b>补充说明</b>	Protein previously known as BAIAP2.

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#### 制备和贮存

<b>稳定性和存储</b>	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: 0.02% DTT, 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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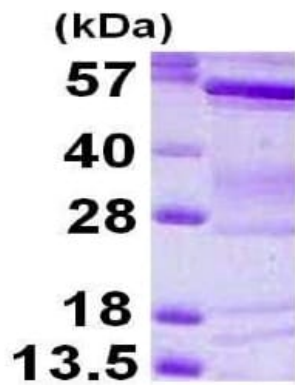
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#### 常规信息

<b>功能</b>	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 filipodia formation.
<b>组织特异性</b>	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.
<b>序列相似性</b>	Contains 1 IMD (IRSp53/MIM homology) domain. Contains 1 SH3 domain.
<b>结构域</b>	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.
<b>翻译后修饰</b>	Phosphorylated on tyrosine residues by INSR in response to insulin treatment.
<b>细胞定位</b>	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.

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#### 图片



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

SDS-PAGE - Recombinant Human IRSp53 protein  
(His tag) (ab119452)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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