

Recombinant Human GRB10 protein ab152439

1 图像

描述

产品名称	重组人GRB10蛋白
表达系统	Wheat germ
Accession	<u>Q13322-3</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<p>MNASLESLSYACSMQSDTVPLLQNGQHARSQPRASGPPRSIQ PQVSPRQR VQRSQPVHILAVRRRLQEEDQQFRTSSLPAIPNPFPELCGPGS PPVLT PGS LPPSQAAAKQDVKVFSEDTGTSKVVEILADMTARDLCQLLVYK SHCVDDNS WTLVEHHPHLGLERCLEDELVVQVESTMASESKFLFRKNYA KYEFFKNP MNFFPEQMVTWCQSQNGSQTQLLQNFLNSSSCPEIQGFLHVK ELGKKS WK KLYVCLRRSGLYCSTKGTSKEPRHLQLLADLEDSNIFSLIAG RKQYNAPT DHGLCIKPNKVRNETKELRLLCAEDEQTRTCWMTAFRLLKYG MLLYQNYR IPQQRKALLSPFSTPVRSVSENSLVAMDFSGQTGRVIENPAE AQSAALEE GHAWRKRSTRMNI LGSQSPLHPSTLSTVIHRTQHWFHGRISR EESHRIIK QQGLVDGLFLLRDSQSNPKAFVLTLC HHQKIKNFQILPCEDD GQTF FSLD DGNTKFSDLIQLVDFYQLNKGVL PCKLKHHCIRVAL</p>
预测分子量	87 kDa including tags
氨基酸	1 to 536
额外的序列信息	This recombinant protein is related to isoform 2 which lacks the first 58 amino acids of the canonical isoform.

技术指标

Our **Abpromise guarantee** covers the use of **ab152439** in the following tested applications.

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

应用	ELISA SDS-PAGE Western blot
形式	Liquid
补充说明	

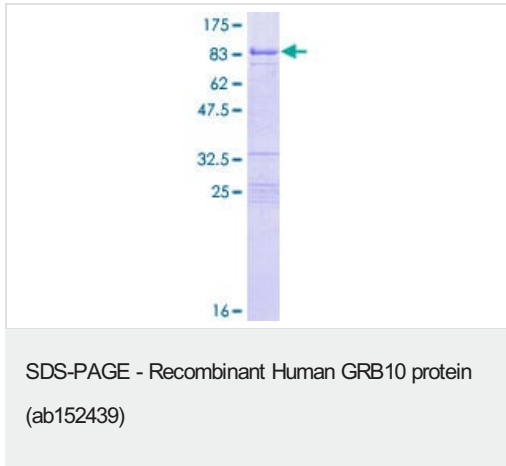
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
---------------	--

常规信息

功能	Adapter protein which modulates coupling of a number of cell surface receptor kinases with specific signaling pathways. Binds to, and suppress signals from, activated receptors tyrosine kinases, including the insulin (INSR) and insulin-like growth factor (IGF1R) receptors. The inhibitory effect can be achieved by 2 mechanisms: interference with the signaling pathway and increased receptor degradation. Delays and reduces AKT1 phosphorylation in response to insulin stimulation. Blocks association between INSR and IRS1 and IRS2 and prevents insulin-stimulated IRS1 and IRS2 tyrosine phosphorylation. Recruits NEDD4 to IGF1R, leading to IGF1R ubiquitination, increased internalization and degradation by both the proteasomal and lysosomal pathways. May play a role in mediating insulin-stimulated ubiquitination of INSR, leading to proteasomal degradation. Negatively regulates Wnt signaling by interacting with LRP6 intracellular portion and interfering with the binding of AXIN1 to LRP6. Positive regulator of the KDR/VEGFR-2 signaling pathway. May inhibit NEDD4-mediated degradation of KDR/VEGFR-2.
组织特异性	Widely expressed in fetal and adult tissues, including fetal and postnatal liver, lung, kidney, skeletal muscle, heart, spleen, skin and brain.
序列相似性	Belongs to the GRB7/10/14 family. Contains 1 PH domain. Contains 1 Ras-associating domain. Contains 1 SH2 domain.
结构域	The PH domain binds relatively non-specifically to several phosphoinositides, including PI(5)P, PI(4,5)P2, PI(3,4)P2 and PI(3,4,5)P3, with modest affinities.
翻译后修饰	phosphorylated on serine residues upon EGF, FGF and PDGF stimulation.
细胞定位	Cytoplasm. When complexed with NEDD4 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment.

图片



12.5% SDS-PAGE analysis of ab152439 stained with Coomassie Blue.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors