

Product datasheet

Recombinant Human G3BP protein ab103304

画像数 1

製品の概要

製品名	Recombinant Human G3BP protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [Q13283](#)

生物種 Human

配列
 MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGK
 PADAVYGQKEIHRKVMSQNFNTNCHTKIRHVDAHATLNDGVVVQVMGLLSN
 NNQALRRFMQTFVLAPEGSVANKFYVHNDIFRYQDEVFGGFVTEPQEESI
 EEVEEPEERQQTPEVVPDDSGTFYDQAVVSNDEEHLEEPVAEPEPDPEP
 EPEQEPVSEIQEEKPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRTFS
 WASVTSKNLPPSGAVPVTGIPPHVVKVPASQPRPESKPESQIPPQRQRD
 QRVREQRINIPPQRGPRPIREAGEQGDIEPRRMVRHPDASHQLFIGNLPHE
 VDKSELKDFQSYGNVVELRINSGGKLPNFGFVVFDSEPVQKVLNRPI
 MFRGEVRLNVEEKKTRAAREGDRRDNRRLRGPGGPRGGLGGMRGPPRGGM
 VQKPGFGVGRGLAPRQVEHHHHHH

分子量 53 kDa including tags

領域 1 to 466

タグ His tag C-Terminus

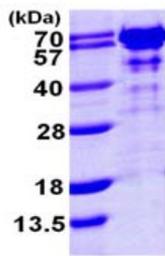
特性

Our [Abpromise guarantee](#) covers the use of **ab103304** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Mass Spectrometry
質量分析	MALDI-TOF

精製度	> 85 % SDS-PAGE. ab103304 was purified using conventional chromatography techniques.
製品の状態	Liquid
前処理および保存	
保存方法および安定性	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. Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, pH 8.0
関連情報	
機能	May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in vitro. Cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR. ATP- and magnesium-dependent helicase. Unwinds preferentially partial DNA and RNA duplexes having a 17 bp annealed portion and either a hanging 3' tail or hanging tails at both 5'- and 3'-ends. Unwinds DNA/DNA, RNA/DNA, and RNA/RNA substrates with comparable efficiency. Acts unidirectionally by moving in the 5' to 3' direction along the bound single-stranded DNA.
組織特異性	Ubiquitous.
配列類似性	Contains 1 NTF2 domain. Contains 1 RRM (RNA recognition motif) domain.
ドメイン	The NTF2 domain mediates multimerization.
翻訳後修飾	Phosphorylated exclusively on serine residues. Hyperphosphorylated in quiescent fibroblasts. Hypophosphorylation leads to a decrease in endoribonuclease activity (By similarity). RASA1-dependent phosphorylation of Ser-149 induces a conformational change that prevents self-association. Dephosphorylation after HRAS activation is required for stress granule assembly. Ser-149 phosphorylation induces partial nuclear localization. Arg-435 is dimethylated, probably to asymmetric dimethylarginine.
細胞内局在	Cytoplasm. Cytoplasm > cytosol. Cell membrane. Nucleus. Cytoplasmic in proliferating cells, can be recruited to the plasma membrane in exponentially growing cells (By similarity). Cytosolic and partially nuclear in resting cells. Recruited to stress granules (SGs) upon either arsenite or high temperature treatment. Recruitment to SGs is influenced by HRAS.
画像	



15% SDS-PAGE analysis of 3µg ab103304.

SDS-PAGE - G3BP protein (ab103304)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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