

Datasheet for ABIN7564903

GIGYF1 Protein (AA 1-1044) (His tag)



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Overview

Quantity:	1 mg
Target:	GIGYF1
Protein Characteristics:	AA 1-1044
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GIGYF1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gigyf1 Protein expressed in mammalian cells.
Sequence:	<p>MAAETLNFGP EWLRLSSGG SVASPPPSA MPKYKLADYR YGREMLALY VKENKVPEEL</p> <p>QDKEFAAVLQ EEPLQLALE PLTEEEQRNF SLSVNSVAVL RLMGKGAGPP LPATSRGRGS</p> <p>TRSRGRGRGD SCFYQRSIEE GDGAFGRNPR EIQRSQSWDD RGERRFEKPA RRDGVRSGFE</p> <p>EGGAGPRKEH ARSDSENWRS LREEQEDDGS WRLGAGPRRD GDRWRSTSPD GGPRSAGWRE</p> <p>HGERRRKFD FDLRGERGGCG EEDGRVGGGN SHLRRRCGLD GFEDDKDGLP EWCLEDEDEE</p> <p>MGTFDASGAF LPLKKGPKA IPPEEQELDFR GLEEEEEEEE EPSEGVDEER PEAGGKEATP</p> <p>LPPPENSSSP SSLPALGPLW TTNEEGGEAV EKELPPAEGD ELRGLSLSPR ISSPPGPPGD</p> <p>LEDEEGLKHL QQEAEKLVAS LQDSSLEEEQ FTAAMQTQGL RHSTAATALP LSHGAARKWF</p> <p>YKDPQGEIQG PFTTQEMAEW FQAGYFSMSL LVKRGCDGEGF QPLGEVIKMW GRVPFAPGPS</p> <p>PPPLLGNDQ ERLKKQQELA AAALYQQLQH QHFLQLVGSR QLPQCTTLRE KAAMGDLTPP</p> <p>QQQQLTTFLQ QLQALKTPRG GDQNLPTMS RSLVPSGSGP LWDLHTSASS QSGGEASLWD</p> <p>IPINSSTQGP ILEQLQLQHK FQERREVELR AKREEEERKR REEKRRQQQQ QQEEQKRRQE</p>

Product Details

EEELFRRKQV RQCELLLKLL QQQQATNVPV PPAPSSPPPL WAGLAKQGLS MKTLLELQME
SERQLHKQAA PREPLRAQAP NHRVQLGGLG SAPLNQWVSE AGPLWGGPDK SGGSSGGNLT
LWEDTLKSGG SLARSLGLKS SRSSPSLSDS YSHLSGRPVR KKTEEEKLL KLLQGIPRPQ
DGFTQWCEQM LHTLSTAGSL DVPMAVAILK EVESPYDVHD YIRSLGDTL EAKEFAKQFL
ERRAKQKASQ QRQQQQQQQQ QQQQEAWLSS TSLQTAFQAN HSTKLGPGEK SKAKRRALML
HSDPSILGYS LHGPSGEIES VDDY **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GIGYF1
Alternative Name:	Gigyf1 (GIGYF1 Products)
Background:	GRB10-interacting GYF protein 1 (PERQ amino acid-rich with GYF domain-containing protein 1),FUNCTION: May act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling. May increase IGF1 receptor phosphorylation under IGF1 stimulation as well as phosphorylation

Target Details

	of IRS1 and SHC1. {ECO:0000269 PubMed:12771153}.
Molecular Weight:	116.2 kDa
UniProt:	Q99MR1

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months