

Datasheet for ABIN7547770

GAS2L2 Protein (AA 1-880) (His tag)



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Overview

Quantity:	1 mg
Target:	GAS2L2
Protein Characteristics:	AA 1-880
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAS2L2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GAS2L2 Protein expressed in mammalian cells.
Sequence:	<p>MSQPAGGRRK PRTLGPVCS IRPKSSEYQ LEAMKEDLAE WLRDLYGLDI DAANFLQVLE</p> <p>TGLVLCQHAN VVTDAALAF AEAPAAQAKI PMPRVGVSCN GAAQPGTFQA RDNVSNFIQW</p> <p>CRKEMGIQEV LMFETEDLVL RKNVKNVLC LLELGRRAWR FGVAAPTLVQ LEEIEEEVR</p> <p>RELALPPDP SPPAPRRQP CHFRNLDQMV QSLVSHCTCP VQFSMVKVSE GK YRVGDSNT</p> <p>LIFIRILRNH VMVRVGGGWD TLGHYLDKHD PCRCTSLSHK PGSFLKPPAP PVQHEVRVQD</p> <p>GPSQTQPTMT ISRSQSPPPP VDWKTYTSSD RRLRPPTPSS PRPRRERAG TGASREMAPE</p> <p>LRCQERSLIP SWRQPTAGDS PPSPQSSSTQ KGRDPQCTSS GKREERYPPE LPRGRIPTSW</p> <p>VHEETDSWGT DAGNPTPQRL RAIEATTGKI SARGPSPLPR SFGPAECLGL RLPLRDEAKG</p> <p>AFFQFREPES VRSPTPVQGL TKIPIRLPPA RPPTPGRSFP GATSGSPRTE LGRDPIPLRA</p> <p>VTVDLAGSTH GDCSVEVRQE DQQLDIQVMA EARESWDLGL QE QEGRYTPL PLGGNKEQAI</p> <p>YCSLEEEILG NMKLLEVRSA CPQGTRSGVI PRSGVYIPRL AGQWPEPGGP YDKAIQELAQ</p>

GSPSLLKVDL EAWKAAPTGS PKPAVTPGPG SLKGKLGARQ SGPRTKASLS AKGTHMRKVP
PQGGQDCSAS TVSASPEAPT PSPLDPNSDK AKACLSKGRR TLRKPKRVPS IYKLKLRPRI
RPRRDHRPEK QPSRIPRPLA YVFLGPARQP PKDRLLRAVL GSKGGEASRV DGASVGEEEEE
EGKEEKEPAA PLESSPQPPE GLQPHWLNQA PLPPEEESWV **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.**

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	GAS2L2
Alternative Name:	GAS2L2 (GAS2L2 Products)
Background:	GAS2-like protein 2 (GAS2-related protein on chromosome 17) (Growth arrest-specific protein 2-like 2),FUNCTION: Involved in the cross-linking of microtubules and microfilaments (PubMed:12584248, PubMed:24706950). Regulates microtubule dynamics and stability by interacting with microtubule plus-end tracking proteins, such as MAPRE1, to regulate microtubule growth along actin stress fibers (PubMed:24706950). Enhances ADORA2-mediated adenylyl cyclase activation by acting as a scaffold to recruit trimeric G-protein complexes to

Target Details

	ADORA2A (By similarity). Regulates ciliary orientation and performance in cells located in the airway (PubMed:30665704). {ECO:0000250 UniProtKB:Q5SSG4, ECO:0000269 PubMed:12584248, ECO:0000269 PubMed:24706950, ECO:0000269 PubMed:30665704}.
Molecular Weight:	96.5 kDa
UniProt:	Q8NHY3

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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