

Datasheet for ABIN7561441

GUCY1A1 Protein (AA 1-691) (His tag)



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Overview

Quantity:	1 mg
Target:	GUCY1A1
Protein Characteristics:	AA 1-691
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY1A1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gucy1a1 Protein expressed in mammalian cells.
Sequence:	<p>MFCRKFKDLK ITGECPFSL APGQVPKEPT EEVAGGSEGC QATLPICQYF PEKNAEGSLP</p> <p>QRKTSRNRVY LHTLAESICK LIFPECERLN LALQRTLAKH KIEENRKSSE KEDLEKIIAE</p> <p>EAIAGAPVE ALKDSLGEEL FKICYEEDEH ILGVVGGTLK DFLNSFSTLL KQSSHQCQAE</p> <p>RRGRLEDASI LCLDKDQDFL NVYYFFPKRT TALLPGIIK AAARILYESH VEVSLMPPCF</p> <p>RSDCTEFVNQ PYLLYSVHVK STKPSLSPGK PQSSLVIPAS LFCKTFPFHF MLDRDLAILQ</p> <p>LGNGIRRLVN KRDFQGKPNF EEFEEILTPK INQTFSGIMT MLNMQFVIRV RRWDNSVKKS</p> <p>SRVMDLKGQM IYIVESSAIL FLGSPCVDRL EDFTGRGLYL SDIPIHNALR DVVLIGEQR</p> <p>AQDGLKKRLG KLGATLEHAH QALEEEKKRT VDLLCSIFPS EVAQQLWQGQ IVQAKKFSEV</p> <p>TMLFSDIVGF TAICSQCSP LQVITMLNALY TRFDQQCGL DVYKVTIGD AYC VAGGLHR</p> <p>ESDTHAVQIA LMALKMMELS NEVMSPHGEP IKMRIGLHSG SVFAGVVGK MPRYCLFGNN</p> <p>VTLANKFESC SVPRKINVSP TTYRLLKDCP GFVFTPRSRE ELPPNFPSDI PGICHFLDAY</p>

HHQGPNSKPW FQDKDVEDGN ANFLGKASGI D **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
Grade:	custom-made

Target Details

Target:	GUCY1A1
Alternative Name:	Gucy1a1 (GUCY1A1 Products)
Background:	Guanylate cyclase soluble subunit alpha-1 (GCS-alpha-1) (EC 4.6.1.2) (Guanylate cyclase soluble subunit alpha-3) (GCS-alpha-3) (Soluble guanylate cyclase large subunit)
Molecular Weight:	77.6 kDa
UniProt:	Q9ERL9
Pathways:	Myometrial Relaxation and Contraction

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.
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Restrictions:	For Research Use only
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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