

Datasheet for ABIN7554591

## GCS1 Protein (AA 1-837) (His tag)



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### Overview

Quantity:	1 mg
Target:	GCS1 (MOGS)
Protein Characteristics:	AA 1-837
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCS1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat MOGS Protein expressed in mammalian cells.
Sequence:	<p>MARGERRRRA VPAEGVRTAE RAARGGPGRD DGRGGGPRST AGGVALAVVV LSLALGMSGGR</p> <p>WVLAWYRARR AVTLHSAPPV LPADSSSPAV APDLFWGTYR PHVYFGMKTR SPKPLLTGLM</p> <p>WAQQGTTPGT PKLRHTCEQG DGVGPYGWEF HDGLSFGRQH IQDGALRLTT EFVKRPGGQH</p> <p>GGDWSWRVTV EPQDSGTSAL PLVSLFFYVV TDGKEVLLPE VGAKGQLKFI SGHTSELGDF</p> <p>RFTLLPPTSP GDTAPKYGSY NVFWTSNPGL PLLTEMVKSR LNSWFQHRPP GAPPERYLGL</p> <p>PGSLKWEDRG PSGQGQGQFL IQQVTLKIPI SIEFVFESGS AQAGGNQALP RLAGSLLTQA</p> <p>LESHAEGFRE RFEKTFQLKE KGLSSGEQVL GQAALSGLLG GIGYFYGGQL VLPDIGVEGS</p> <p>EQKVDPALFP PVPLFTAVPS RSFFPRGFLW DEGFHQLVVQ RWDPSLTREA LGHWLGLLNA</p> <p>DGWIGREQIL GDEARARVPP EFLVQRAVHA NPPTLLLPVA HMLEVGDPDD LAFLRKALPR</p> <p>LHAWFSWLHQ SQAGPLPLSY RWRGRDPALP TLLNPKTLPS GLDDYPRASH PSVTERHLDL</p> <p>RCWVALGARV LTRLAEHLGE AEVAAELGPL AASLEAAESL DELHWAPELG VFADFGNHTK</p>

AVQLKPRPPQ GLVRVVGRPQ PQLQYVDALG YVSLFPLLLR LLDPTSSRLG PLLDILADSR  
HLWSPFGLRS LAASSSFYQG RNSEHDPPYW RGAVWLVNPNY LALGALHHYG HLEGPHQARA  
AKLHGELRAN VVGNVWRQYQ ATGFLWEQYS DRDGRGMGCR PFHGWTSVLV LAMAEDY

**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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	GCS1 (MOGS)
Alternative Name:	MOGS ( <a href="#">MOGS Products</a> )
Background:	Mannosyl-oligosaccharide glucosidase (EC 3.2.1.106) (Processing A-glucosidase I),FUNCTION: In the context of N-glycan degradation, cleaves the distal alpha 1,2-linked glucose residue from the Glc(3)Man(9)GlcNAc(2) oligosaccharide precursor in a highly specific manner. {ECO:0000269 PubMed:7635146}.
Molecular Weight:	91.9 kDa
UniProt:	<a href="#">Q13724</a>

## Target Details

Pathways: [SARS-CoV-2 Protein Interactome](#)

## 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