

Datasheet for ABIN7557937

## OXGR1 Protein (AA 1-337) (His tag)

3 Images



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### Overview

Quantity:	1 mg
Target:	OXGR1
Protein Characteristics:	AA 1-337
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OXGR1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Oxgr1 Protein expressed in mammalian cells.
Sequence:	<p>MIEPLDSPAS DSDFLDYPSA LGNCTDEQIS FKMQYLPVIY SIIFLVGFPG NTVAISIYIF</p> <p>KMRPWGSTV IMLNLALTDL LYLTSLPFLI HYYASGENWI FGDFMCKFIR FGFHFNLYSS</p> <p>ILFLTCSLF RYVVIHPMS CFSIQKTRWA VVACAGVWVI SLVAVMPMTF LITSTTRTNR</p> <p>SACLDLTSSD DLTTIKWYNL ILTATTFCLP LVIVTLCYTT IISTLTHGPR THSCFKQKAR</p> <p>RLTILLLLVF YICFLPFHIL RVIRIESRLL SISCSIESHI HEAYIVSRPL AALNTFGNLL LYVVVSNNFQ</p> <p>QAFCSIVRCK ASGDLEQGKK DSCSNNP <b>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.</b></p>
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:	Key Benefits:

## Product Details

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- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	OXGR1
Alternative Name:	Oxgr1 ( <a href="#">OXGR1 Products</a> )
Background:	2-oxoglutarate receptor 1 (Alpha-ketoglutarate receptor 1) (G-protein coupled receptor 99),FUNCTION: Receptor for alpha-ketoglutarate. Seems to act exclusively through a G(q)-mediated pathway. {ECO:0000269 PubMed:15141213}.
Molecular Weight:	38.2 kDa
UniProt:	<a href="#">Q6IYF8</a>

## Application Details

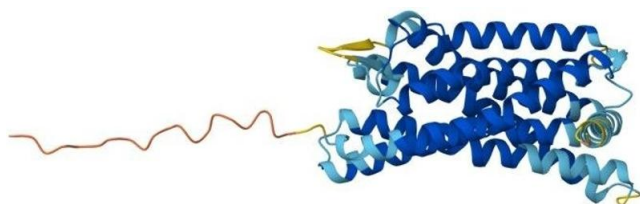
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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

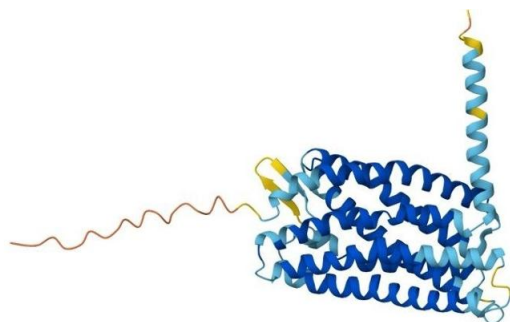
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

**Image 1.** AlphaFold protein structure prediction of Mouse Recombinant Oxgr1 Protein, UniprotID Q6IYF8



Protein Structure

**Image 2.** AlphaFold protein structure prediction of Mouse Recombinant Oxgr1 Protein, UniprotID Q6IYF8





### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Mouse Recombinant Oxgr1 Protein, UniprotID Q6IYF8