

Datasheet for ABIN7559784  
**PSGR Protein (AA 1-320) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PSGR (OR51E2)
Protein Characteristics:	AA 1-320
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSGR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Or51e2 Protein expressed in mammalian cells.
Sequence:	<p>MSSCNFTHAT FLLIGIPGLE EAHFWFGFPL LSMYAVALFG NCIVVFIVRT ERS LHAPMYL            FLCMLAAIDL ALSTSTMPKI LALFWFDSRE ITFDACLAQM FFIHTLSAIE STILLAMAFD            RYVAICHPLR HAAVLNNTVT VQIGMVALVR GSLFFFPLPL LIKRLAFCHS NVLSHSYCVH            QDVMKLAYTD TLPNVVYGLT AILLVMGVDV MFISLSYFLI IRTVLQLPSK SERAKAFGTC            VSHISVVLAF YVPLIGLSVV HRFGNSLDPI VHVLMGDVYL LLPPVINPII YGAKTKQIRT            RVLAMFKISC DKDIEAGGNT</p> <p><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>

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> </ul>
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## Product Details

- 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, Western Blot
Grade:	custom-made

## Target Details

Target:	PSGR (OR51E2)
Alternative Name:	Or51e2 ( <a href="#">OR51E2 Products</a> )
Background:	<p>Olfactory receptor 51E2 (Olfactory receptor 78),FUNCTION: Olfactory receptor. The activity of this receptor is probably mediated by G-proteins which induce elevation of intracellular Ca(2+), cAMP and activation of phosphorylation of the protein kinases PKA and MAPK3/MAPK1. Activation of OR51E2 may affect melanocyte proliferation, differentiation, and melanogenesis and may increase proliferation and migration of primary retinal pigment epithelial (RPE) cells (By similarity). Activated by the short chain fatty acids (SCFA), acetate and propionate (PubMed:23401498). In response to SCFA, may positively regulate renin secretion and increase blood pressure (PubMed:23401498). May also be activated by steroid hormones and regulate cell proliferation (By similarity). Activated by L-lactate in glomus cells (PubMed:26560302, PubMed:30258151). {ECO:0000250 UniProtKB:Q9H255, ECO:0000269 PubMed:23401498, ECO:0000269 PubMed:26560302, ECO:0000269 PubMed:30258151}.</p>
Molecular Weight:	35.6 kDa
UniProt:	<a href="#">Q8VBV9</a>

## 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