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Datasheet for ABIN7491537

**GPR64 Protein**

## Overview

Quantity:	100 µg
Target:	GPR64
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

## Product Details

Purpose:	Human ADGRG2 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

## Target Details

Target:	GPR64
Alternative Name:	ADGRG2 ( <a href="#">GPR64 Products</a> )
Background:	<p>CBAVDX, EDDM6, GPR64, HE6, TM7LN2</p> <p>Description: This gene encodes a member of the G protein-coupled receptor family described as an epididymis-specific transmembrane protein. The encoded protein may be proteolytically processed as it contains a motif shown to be a protein scission motif in some members of this family (PMID: 11973329). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]</p>
Molecular Weight:	The human full length ADGRG2 protein has a MW of 111.6 kDa
UniProt:	<a href="#">Q8IZP9</a>

## Application Details

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Application Notes:	<ul style="list-style-type: none"><li>• Applications for VLPs:</li><li>• ELISA</li><li>• SPR affinity analysis</li><li>• Phage display screening</li><li>• Immunization</li><li>• Cell based assays</li><li>• CAR-T cell screening</li><li>• Protein crystal structure analysis</li></ul>
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Comment:	Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Buffer:	Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months