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Datasheet for ABIN7491731 GLUT12 Protein

Overview

Quantity:	100 µg
Target:	GLUT12 (SLC2A12)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human SLC2A12 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	GLUT12 (SLC2A12)
Alternative Name:	SLC2A12 (SLC2A12 Products)
Background:	<p>GLUT12, GLUT8</p> <p>Description: SLC2A12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion (Rogers et al., 2002). This family of transporters show conservation of 12 transmembrane helices as well as functionally significant amino acid residues (Joost and Thorens, 2001 [PubMed 11780753]).[supplied by OMIM, Mar 2008]</p>
Molecular Weight:	The human full length SLC2A12 protein has a MW of 67 kDa
UniProt:	Q8TD20
Pathways:	Warburg Effect

Application Details

Application Notes:	<ul style="list-style-type: none">• Applications for VLPs:• ELISA• SPR affinity analysis• Phage display screening• Immunization• Cell based assays• CAR-T cell screening• Protein crystal structure analysis
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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

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