

Datasheet for ABIN7596564

GLUT12 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	GLUT12 (SLC2A12)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This GLUT12 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human SLC2A12-Strep full length protein-synthetic nanodisc
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Target Details

Target:	GLUT12 (SLC2A12)
Alternative Name:	SLC2A12 (SLC2A12 Products)
Background:	GLUT8, GLUT12 SLC2A12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion. This family of transporters show conservation of 12 transmembrane helices as well as functionally significant amino acid residues.
Molecular Weight:	The human full length SLC2A12-Strep protein has a MW of 67 kDa
UniProt:	Q8TD20

Target Details

Pathways: [Warburg Effect](#)

Application Details

Comment:	Advantages:
	<ul style="list-style-type: none">• Highly purified membrane proteins• High solubility in aqueous solutions• High stability• Proteins are in a native membrane environment and remain biologically active• No detergent and can be used for cell-based assays• No MSP backbone proteins• Mammalian cell expression system ensures post- translational modifications

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
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
