

Datasheet for ABIN7597079

## KCTD12 Protein (DYKDDDDK Tag, Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	10 µg
Target:	KCTD12
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This KCTD12 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Cryogenic electron microscopy (cryo-EM), Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

### Product Details

Purpose:	Human KCD12-Strep full length protein-synthetic nanodisc
----------	--

### Target Details

Target:	KCTD12
Alternative Name:	KCD12 ( <a href="#">KCTD12 Products</a> )
Background:	C13orf2, PFET1, PFETIN Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization (By similarity).[UniProtKB/Swiss-Prot Function]
Molecular Weight:	The human full length KCD12-Strep protein has a MW of 35.7 kDa

## Target Details

UniProt: [Q96CX2](#)

Pathways: [Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

Comment: Advantages:

- 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

## 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