

Datasheet for ABIN5713578

**KCNJ1 Protein (AA 178-391, Cytoplasmic Domain, Cytosolic)
(His tag)**[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	KCNJ1
Protein Characteristics:	Cytosolic, AA 178-391, Cytoplasmic Domain
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNJ1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ILAKISRPKK RAKTITFSKN AVISKRGGKL CLLIRVANLR KSLIGSHIY GKLLKTTVTP EGETIILDQI NINFVVDAGN ENLFFISPLT IYHVIDHNSP FFHMAAETLL QQDFELVVFL DGTVESTSAT CQVRTSYVPE EVLWGYRFAP IVSKTKEGKY RVDFHNFSKT VEVETPHCAM CLYNEKDVRA RMKRGYDNPN FILSEVNETD DTKM
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	KCNJ1
Alternative Name:	KCNJ1 (KCNJ1 Products)
Background:	In the kidney, probably plays a major role in potassium homeostasis. Inward rectifier potassium

Target Details

channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium, as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This channel is activated by internal ATP and can be blocked by external barium.

Molecular Weight: 26.3 kDa

UniProt: [P48048](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



116 kDa
66.2kDa
45 kDa
35 kDa
25 kDa
18 kDa
14.4kDa

SDS-PAGE

Image 1.