Datasheet for ABIN5709795

KCNJ10 Protein (AA 165-379, Cytoplasmic Domain, Cytosolic) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	KCNJ10
Protein Characteristics:	Cytosolic, AA 165-379, Cytoplasmic Domain
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNJ10 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	FLAKIARPKK RAETIRFSQH AVVASHNGKP CLMIRVANMR KSLLIGCQVT GKLLQTHQTK EGENIRLNQV NVTFQVDTAS DSPFLILPLT FYHVVDETSP LKDLPLRSGE GDFELVLILS GTVESTSATC QVRTSYLPEE ILWGYEFTPA ISLSASGKYI ADFSLFDQVV KVASPSGLRD STVRYGDPEK LKLEESLREQ AEKEGSALSV RISNV
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	KCNJ10
Alternative Name:	KCJ10 (KCNJ10 Products)
Background:	May be responsible for potassium buffering action of glial cells in the brain. Inward rectifier

Target Details

	potassium 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. Can be blocked by extracellular barium and cesium .
Molecular Weight:	39.8 kDa
UniProt:	P78508
Pathways:	Dicarboxylic Acid Transport, Regulation of long-term Neuronal Synaptic Plasticity

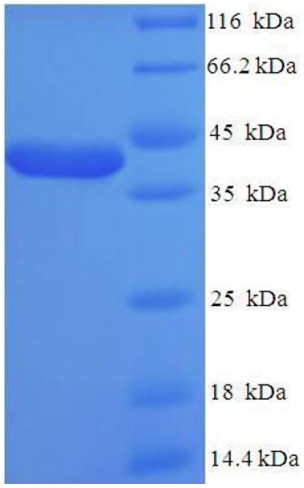
Application Details

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



SDS-PAGE

Image 1.