

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# Recombinant human KCNJ3 protein



## Basic Information

Catalog Number:

Ag10844

Size:

50 µg

Form:

Available lyophilized

Species:

human

Expression Source:

*e coli*-derived, PET28a, with N-terminal 6\*His.

Biological Activity:

Not tested

Endotoxin Level:

Please contact the lab for more information

Peptide Sequence:

GYRITDKCPEGIILFLFQSIILGSIVDAFLIGCMFIKMSQ  
PKKRAETLMFSEHAVISMRDGKLTLMFRVGNLRNSHM  
VSAQIRCKLLKSRQTPEGEFLPLDQLELDVGFSTGAD  
QLFLVSPLTIRHVIDAKSPFYDLSQRSMQTKQFEIVVIL  
EGIVETTGMTQARTSYTEDEVLWGHRRFPVISLEEG  
FFKVDYSQFHATFEVPTPPYSVKEQEEMLLMSSPLIAP  
AITNSKERHNSVECLDGLDDITTKLPKQLKITGREDFP  
KKLLRMSSTTSEKAYSLGDLPMKLQRISSVPGNSEKLV  
SKTTKMLSDPMSQSVADLPPKLQKMAGGAARMEGNL  
PAKLRKMNSDRFT

(147-501aa encoded by BC022495)

## Reconstitution and Storage

Reconstitution:

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

Shipping:

The product is shipped with ice packs. Upon receipt, store it immediately at -20°C to -80°C.

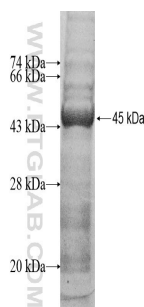
## Formulation

The protein was expressed as 6xHis-tagged fusion protein by E.Coli and purified by Ni-sepharose. The purified protein was resolved in PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4 ) added with 15% glycerol. The elution buffer contain 300mM imidazole.

## Stability and Storage

Aliquot and store at -20°C to -80°C for up to 6 months. Avoid freeze thaw cycles.

## Selected Validation Data



For technical support and original validation data for this product please contact:

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