



Recombinant *Cavia porcellus* Potassium voltage-gated channel subfamily KQT member 1 (KCNQ1)

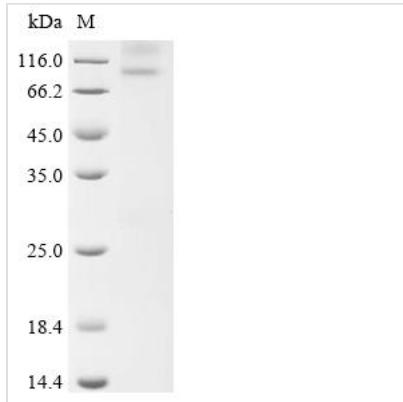
Product Code	CSB-CF012087GU
Abbreviation	Recombinant Guinea pig KCNQ1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O70344
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant <i>Cavia porcellus</i> Potassium voltage-gated channel subfamily KQT member 1 (KCNQ1)
Immunogen Species	<i>Cavia porcellus</i> (Guinea pig)
Sensitivity	Not Test
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAAASSPPRTERKRGWGRLGSRRGSASLAKKCPFSLEAEGGPAGGTLY APVAPPGALSPGSPAPPASPAAPPAGLELGPRPPVSLDPRVSIYSARRPLLAR THIQGRVYNFLERPTGKCFVYHFAVFLIVLACLIFSVLSTIEQYAALATGTLFW MEIVLVVFFGTEYVVRWLWSAGCRSKYVGIGRRLRFARKPISIIDLIVVVASMVVL CVGSKGQVFATSAIRGIRFLQILRMLHVDRQGGTWRLLGSVVFHRQELITTLIYI GFLGLIFSSYFVYLAEKDAVNESGRVEFGSYADALWWGVVTVTIGYGDVKVPQ TWVGKTIASCFSVFAISFFALPAGILGSGFALKVQQKQRQKHFNRQIPAAASLIQ TAWRCYAAENPDSSTWKIYVRKPARSHTLLSPSPKPKKSAMVRKKFKPDKD NGVSPGKMLTVPHITCDPPEERRPDHFSDGYDSSVRKSPTLLEVSPTHFM RTNSFAEDLDLEGETLLTPITHVSQLREHHRATIKVIRRMQYFVAKKKFQQARK PYDVRDVIEQYSQGHLNLMVRIKELQRRLDQSIGKPSLFIPISEKSKDRGSNTIG ARLNRVEDKVTQLDQRLVVITDMLHQQLLSLHQGGPHSGGGPQMVGQPCSEDG SIHPELFLPSNSLPTYEQLTVPQRGPDEAS
Research Area	Cardiovascular
Source	in vitro <i>E.coli</i> expression system
Target Names	KCNQ1
Expression Region	1-671aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged



Mol. Weight 80.5 kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.