

## Product datasheet for RN209678

### Kcnh8 (NM\_145095) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh8 (NM_145095) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh8
Synonyms:	Elk1; ELK3; Ets-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209678 representing NM_145095 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGGTTATGAAAGGATTGCTGGCGCCACAGAACACCTTCTGGACACTATTGCCACCCGTTTCGACG  
GAACACATAGCAACTTCATCCTGGCCAATGCCAAGTGGCAAAGGTTTCCCATAGTCTACTGTTCCAGA  
TGGCTTCTGTGAGCTGGCTGGGTTTGTCTGAACTGAAGTCATGCAGAAGAGTTGCAGCTGCAAGTTCTG  
TTTGGGTGGAGACCAACGAGCAGCTGATGCTTCAGATCGAAAAGTCCCTGGAGGAGAAGGTAGAGTTCA  
AAGGAGAAATTATGTTCTACAAGAAGAATGGGGCTCCATTTTGGTGCCTGTTGGATATCGTTCTATAAAA  
GAATGAGAAAGGAGATGTGGTCTTTTCTGGCCTCATTCAAAGATATAACAGACACGAAAGTGAAGATT  
ACTTCAGAAGATAAAAAAGAAGACAGAGCCAAAGGAAGATCAAGAGCAGGGAGCCACTTCGACTCAGCCC  
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AAGTTCATCCTGCTGCACTTCAGCACTTTAAAGCTGGCTGGACTGGCTCATTTTGTGGCAACGTTTT  
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AACGGTCAGTGACATCGCTGGGAGATTCTTTCATTATAGATATTATTCTAAATTTCCGAACAACCTTAT  
GTCAGCAAGTCTGGCCAAGTTATCTTTGAAGCGAGATCCATTTGCATCCACTACGTCACCACTGGTTCA  
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AAGGACTTCATCCGTGTGCATCACCTGCCCCAGCAACTCAAGCAGAGGATGCTTGAGTACTTTCAGACAA



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CTTGGTCTGTCAACAATGGAATAGATTCAAATGAGCTTTTGAAAGACTTTCCAGATGAGCTGCGCTCTGA
CATCACAATGCATCTGAACAAGGAGATCTTACAGCTGTCCCTGTTTGAATGTGCTAGCCGGGGTGCCTC
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TGAGAGTGATGTAATATCAAGATTATCGAACAAATCTACAGTCCCACAGGCAGAGCCCAAGGGGAATGGA
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GCCTACACTTGCAGGCAATGGAGCACATCTTTACCATGGCAATGTCACCTCTGACATCTGGAGTGTGCA
CCCCTCCTTGGTGGGCAGCAACCCTCAACGAAGTGAAGCTCATGAGCAAAGTCCAGTAGATAGTGAAGTGC
CATCATTCTCAAACCTGGCTTATTTCCCTCTCACTGCCAGGTTATCCAAGAAGGCCACTTGCAGTTCC
TAAGGTGCATCTCCCCTCATTAGATACCACACTGACACCTTTGAGTCCATCTCAGCCACTCTCTCATC
CTCTGTGTGCTCCTCATCAGAAACATCCTTGACCTCGTTCTCCCAAGTAGGTGAGGAGGGCAGCATC
ACTCATGGACCTGTGAGTCTTTTTCAGTTTGGAAAACCTACCAGGATCTTGGGACCGAGAAGGAATGATGT
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CAAAGCCATAACGTAA
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145095
- Insert Size:** 3309 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM\\_145095.2](#), [NP\\_659563.1](#)

RefSeq Size: 3739 bp

RefSeq ORF: 3309 bp

Locus ID: 246325

UniProt ID: [Q9QWS8](#)

Cytogenetics: 9q11

**Gene Summary:** Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a slowly activating, outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.[UniProtKB/Swiss-Prot Function]