

## Product datasheet for **TP762450**

### **KCC2 (SLC12A5) (NM\_020708) Human Recombinant Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Purified recombinant protein of Human solute carrier family 12 (potassium/chloride transporter), member 5 (SLC12A5), transcript variant 2, Asp834-End, with N-terminal His tag, expressed in E.coli, 50ug |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | A DNA sequence encoding the region(Asp834-End) of SLC12A5   |
| <b>Tag:</b>                                  | N-His   |
| <b>Predicted MW:</b>                         | 32.6 kDa  |
| <b>Concentration:</b>                        | >0.05 µg/µL as determined by microplate BCA method  |
| <b>Purity:</b>                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Buffer:</b>                               | 50 mM Tris-HCl, pH 8.0, 8 M urea  |
| <b>Note:</b>                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| <b>Storage:</b>                              | Store at -80°C after receiving vials.   |
| <b>Stability:</b>                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>                               | <a href="#">NP_065759</a>   |
| <b>Locus ID:</b>                             | 57468   |
| <b>UniProt ID:</b>                           | <a href="#">Q9H2X9</a>  |
| <b>RefSeq Size:</b>                          | 6059  |
| <b>Cytogenetics:</b>                         | 20q13.12  |
| <b>RefSeq ORF:</b>                           | 3348  |
| <b>Synonyms:</b>                             | DEE34; EIEE34; EIG14; hKCC2; KCC2   |



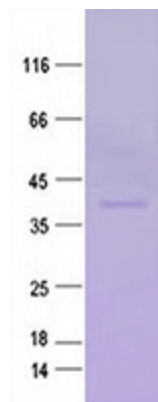
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**Summary:**

K-Cl cotransporters are proteins that lower intracellular chloride concentrations below the electrochemical equilibrium potential. The protein encoded by this gene is an integral membrane K-Cl cotransporter that can function in either a net efflux or influx pathway, depending on the chemical concentration gradients of potassium and chloride. The encoded protein can act as a homomultimer, or as a heteromultimer with other K-Cl cotransporters, to maintain chloride homeostasis in neurons. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Sep 2008]

**Protein Families:**

Transmembrane

**Product images:**

Purified recombinant protein SLC12A5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.