

## Recombinant Human SLC6A8, His tagged

**Cat. No.** SLC6A8-8307H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC6A8 was purified from E.coli                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | <p>The Cardiotoxin His-Tagged Fusion Protein Human, produced in E.coli, is 22.5 kDa protein containing 200 amino acid residues of the human Cardiotoxin and 12 additional amino acid residues His Tag. MRGSHHHHHH GSSRREGSLE DPQTDSSVSL LPHLEAKIRQ THSLAHLTK YAEQLLQEYV QLQGDPPFGLPSFSPRLPVA GLSAPAPSHA GLPVHERLRL DAAALAALPP LLDVAVCRRQA ELNPRAPRL RRLEDAARQA RALGAAVEAL LAALGAANRG PRAEPPAATA SAASATGVFP AKVLGLRVCG LYREWLSRTE GDLGQLLP GG SA.</p> |
| <b>Form</b>             | Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | Purity of CTF1 Human Recombinant is greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | SDS-PAGE; Western blotting                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for limited period of time; it does not show any change after two weeks at 4°C. The lyophilized Cardiotoxin remains stable until the expiry date when stored at -20°C.                                                                                                            |

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## GENE INFORMATION

|                            |                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | SLC6A8 solute carrier family 6 (neurotransmitter transporter, creatine), member 8 [ Homo sapiens ]                                                                                          |
| <b>Official Symbol</b>     | SLC6A8                                                                                                                                                                                      |
| <b>Synonyms</b>            | SLC6A8; CRT; CRTR; CT1                                                                                                                                                                      |
| <b>Gene ID</b>             | 6535                                                                                                                                                                                        |
| <b>MIM</b>                 | 300036                                                                                                                                                                                      |
| <b>UniProt ID</b>          | P48029                                                                                                                                                                                      |
| <b>Chromosome Location</b> | Xq28                                                                                                                                                                                        |
| <b>Pathway</b>             | Creatine metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem                           |
| <b>Function</b>            | choline transmembrane transporter activity; creatine transmembrane transporter activity; creatine:sodium symporter activity; molecular_function; neurotransmitter:sodium symporter activity |

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