

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### SLC6A8 Peptide

Cat No.: BS5934P

#### Background

SLC6A8 (solute carrier family 6 member 8), also known as CT1 (creatine transporter 1), CRT or CRTR, is a 635 amino acid multi-pass plasma membrane protein that belongs to the sodium/neurotransporter (SNF) family. Expressed in a variety of tissues including kidney, skeletal muscle, heart, brain, prostate, testis and colon, SLC6A8 functions to transport creatine into and out of cells, specifically those found in brain and muscle tissue. Creatine, an organic acid, occurs naturally and is essential for supplying the energy needed for proper muscle and nerve function. Defects in the gene encoding SLC6A8 lead to cerebral creatine deficiency and are the cause of X-linked creatine deficiency syndrome, a rare disorder characterized by facial anomalies, seizures and mental retardation. Multiple isoforms of SLC6A8 exist due to alternative splicing events.

#### Swiss-Prot

P48029

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5934 SLC6A8 pAb.

#### Purification & Purity

Synthetic peptide SLC6A8. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.