# Recombinant Human SLC6A12, His-tagged

**Cat. No.** SLC6A12-2781H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human SLC6A12 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 548-614aa |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | SLC6A12 solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12 [ Homo sapiens ] |
| **Official Symbol** | SLC6A12 |
| **Synonyms** | SLC6A12; solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12; sodium- and chloride-dependent betaine transporter; BGT 1; gamma-aminobutyric acid transporter; Na(+)/Cl(-) betaine/GABA transporter; BGT1; GAT2; |

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| | BGT-1; FLJ38727; |
| **Gene ID** | 6539 |
| **mRNA Refseq** | NM_001122847 |
| **Protein Refseq** | NP_001116319 |
| **MIM** | 603080 |
| **UniProt ID** | P48065 |
| **Chromosome Location** | 12p13 |
| **Pathway** | Amino acid transport across the plasma membrane, organism-specific biosystem; GABA synthesis, release, reuptake and degradation, organism-specific biosystem; Na+/Cl- dependent neurotransmitter transporters, organism-specific biosystem; Neuronal System, or |
| **Function** | gamma-aminobutyric acid:sodium symporter activity; neurotransmitter:sodium symporter activity; symporter activity; |

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