

# SLC29A4 (Human) Recombinant Protein (Q01)

Catalog # H00222962-Q01

Size 25 ug, 10 ug

## Applications

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## Specification

<b>Product Description</b>	Human SLC29A4 partial ORF ( NP_694979, 283 a.a. - 345 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	VHHDVVAGDVHFEHPAPAPAPNESPKDSPAHEVTGSGGAYMRFDVPRPRVQRSWPTFRALLLH
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	32.67
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SLC29A4

Entrez GeneID [222962](#)

GeneBank Accession# [NM\\_153247](#)

Protein Accession# [NP\\_694979](#)

Gene Name SLC29A4

Gene Alias ENT4, FLJ34923, PMAT

Gene Description solute carrier family 29 (nucleoside transporters), member 4

Omim ID [609149](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the SLC29 family and encodes a plasma membrane protein with 11 transmembrane helices. This protein catalyzes the reuptake of monoamines into presynaptic neurons, thus determining the intensity and duration of monoamine neural signaling. It has been shown to transport several compounds, including serotonin, dopamine, and the neurotoxin 1-methyl-4-phenylpyridinium. Alternate transcriptional splice variants which encode the same protein have been characterized. [provided by RefSeq]

**Other Designations** OTTHUMP00000025415|equilibrative nucleoside transporter 4|plasma membrane monoamine transporter

## Disease

- [Depressive Disorder](#)
- [Fatigue](#)
- [Sleep Disorders](#)

- [Sleep Initiation and Maintenance Disorders](#)