

Recombinant Full Length Human SLC8A2 Protein

Cat. No. SLC8A2-6792HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human SLC8A2 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	501 amino acids
Description	The protein encoded by this gene is a transcription factor that can bind to the GC promoter region of a variety of genes, including those of the photoreceptor signal transduction system. The encoded protein binds to the same sites in promoter CpG islands as does the transcription factor SP1, although its expression is much more restricted compared to that of SP1. This gene may be involved in bipolar disorder and schizophrenia.
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	101.4 kDa
AA Sequence	MAPLALVGVTLLLAAPPCSGAATPTPSLPPPPANDSDTSTGGCQGSYRCQPGVLLP VWEPDDPSLGDKAARAVVYFVAMVYMFLGVSIIDRFMAAIEVITSKEKEITITKANGE TSVGTVRIWNETVSNLTLMALGSSAPEILLSVIEVCGHNFQAGELGPGTIVGSAAFNM FVVIACIYVIPAGESRKIKHLRVFFVTASWSIFAYVWLYLILAVFSPGVVQVWEALLTL VFFPVCVVFAMADKRLLFYKYVYKRYRTDPRSGIIIGAEGDPPKSIELDGTFVGAEA

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PGELGGLGPGPAEARELDASRREVIQILKDLKQKHPDKDLEQLVGIANYALLHQQK
 SRAFYRIQATRLMTGAGNVLRRHAADASRRRAAPAEAGAGEDDDGASRIFFEPSLYH
 CLENCGSVLLSVTCQGGEGNSTFYVDYRTEDGSAKAGSDYEYSEGTLVFKPGETQ
 KELRIGIIDDDIFEEDHFFVRLNLRVGDAQGMFEPDGGGRPKGRLVAPLLATVTILD
 DDHAGIFSQDRLLHVSECMGTVDVRVVRSSGARGTVRLPYRTVDGTARGGGVHY
 EDACGELEFGDDETMKTLQVKIVDDEEYEKKDNFFIELGQPQWLKRGISALLLNQGD
 GDRKLTAEEMEEARRIAEMGKPVLGNCRLVIIIEESYDFKNTVDKLIKTNLALVIGTH
 SWREQFLEAITVSAGDEEEEEEDGSREERLPSCFDYVMHFLTVMFKVLFACVPPTTEY
 CHGWACFGVSILVIGLLTALIGDLASHFGCTVGLKDSVNAVVFVALGTSIPDTFASKV
 AALQDQCADASIGNVTGSNAVNVFLGLGVAWSVAAYWAVQGRPFEVVRTGTLAFS
 VTLFTVFAFVGIAVLLYRRRPHIGGELGGPRGPKLATTALFLGLWLLYILFASLEAYCH
 IRGF

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SLC8A2 solute carrier family 8 (sodium/calcium exchanger), member 2 [Homo sapiens]
Official Symbol	SLC8A2
Synonyms	NCX2
Gene ID	6543
mRNA Refseq	NM_015063.2
Protein Refseq	NP_055878.1

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MIM	601901
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UniProt ID	Q9UPR5
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