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SLC7A11 Blocking Peptide(N-term)

Synthetic peptide
Catalog # BP19815a

Specification

SLC7A11 Blocking Peptide(N-term) - Product Information

Primary Accession	Q9UPY5
Other Accession	NP_055146.1

SLC7A11 Blocking Peptide(N-term) - Additional Information

Gene ID 23657

Other Names
Cystine/glutamate transporter, Amino acid transport system xc-, Calcium channel blocker resistance protein CCBR1, Solute carrier family 7 member 11, xCT, SLC7A11

Target/Specificity
The synthetic peptide sequence is selected from aa 28-42 of HUMAN SLC7A11

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC7A11 Blocking Peptide(N-term) - Protein Information

Name SLC7A11

Function
Sodium-independent, high-affinity exchange of anionic amino acids with high specificity for anionic form of cystine and

SLC7A11 Blocking Peptide(N-term) - Background

SLC7A11 is a member of a heteromeric Na(+)-independent
anionic amino acid transport system highly specific for cystine and
glutamate. In this system, designated system Xc(-), the anionic
form of cystine is transported in exchange for glutamate.[supplied
by OMIM].

SLC7A11 Blocking Peptide(N-term) - References

D'Angelo, J.A., et al. J. Immunol. 185(6):3217-3226(2010)
Pham, A.N., et al. J. Pharmacol. Exp. Ther. 332(3):949-958(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Lewerenz, J., et al. J. Biol. Chem. 284(2):1106-1115(2009)
Stockhammer, F., et al. Histopathology 54(2):241-247(2009)

glutamate.

Cellular Location
Membrane; Multi- pass membrane protein

SLC7A11 Blocking Peptide(N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides