10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOD3 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20996c

Specification

SOD3 Blocking Peptide (C-term) - Product Information

Primary Accession P08294

SOD3 Blocking Peptide (C-term) - Additional Information

Gene ID 6649

Other Names
Extracellular superoxide dismutase [Cu-Zn], EC-SOD, SOD3

Target/Specificity
The synthetic peptide sequence is selected from aa 186-199 of HUMAN SOD3

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.

SOD3 Blocking Peptide (C-term) - Protein Information

Name SOD3

Function
Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

Cellular Location
Secreted, extracellular space. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:O09164}. Note=99% of EC-SOD is anchored to heparan sulfate proteoglycans in the tissue interstitium, and 1% is located in the vasculature in equilibrium between the plasma and the endothelium

Tissue Location
Expressed in blood vessels, heart, lung, kidney and placenta. Major SOD isoenzyme in extracellular fluids such as plasma, lymph and synovial fluid

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SOD3 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

SOD3 Blocking Peptide (C-term) - Images

SOD3 Blocking Peptide (C-term) - Background

Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

SOD3 Blocking Peptide (C-term) - References

Hjalmarsson K.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:6340-6344(1987).
Folz R.J.,et al.Genomics 22:162-171(1994).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Adachi T.,et al.Free Radic. Biol. Med. 13:205-210(1992).
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