

Recombinant Human SOD2

Catalog No: #GP10779

Package Size: #GP10779-1 100ug

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Description

Product Name	Recombinant Human SOD2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 25-222 amino acids of human superoxide dismutase 2, mitochondrial
Target Name	Superoxide dismutase 2, mitochondrial
Other Names	IPOB; MNSOD; MVCD6
Accession No.	Swissprot:P04179Gene Accession:BC012423
Uniprot	P04179
GenID	6648;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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