

# Recombinant Human SOD1

Catalog No: #GP10778



Package Size: #GP10778-1 100ug

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## Description

Product Name	Recombinant Human SOD1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 2-159 amino acids of human superoxide dismutase 1, soluble
Target Name	Superoxide dismutase 1, soluble
Other Names	ALS; SOD; ALS1; IPOA; hSod1; homodimer
Accession No.	Swissprot:P00441Gene Accession:BC001034
Uniprot	P00441
GenID	6647;
Storage	-20~-80°C, pH 7.6 PBS

## Background

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene.?

## 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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