

SOD1 抗原（重组蛋白）

中文名称： SOD1 抗原（重组蛋白）

英文名称： SOD1 Antigen (Recombinant Protein)

别名： ALS; SOD; ALS1; IPOA; hSod1; homodimer

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 2-159 amino acids of human SOD1

技术规格

Full name:	Superoxide dismutase 1, soluble
Synonyms:	ALS; SOD; ALS1; IPOA; hSod1; homodimer
Swissprot:	P00441
Gene Accession:	BC001034
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.