

## 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

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