



Recombinant Human Superoxide Dismutase

SHANGHAI GENOMICS

rHuSOD

Catalog number: SG3110-46

Specifications and Use

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| Source | <ul style="list-style-type: none">● <i>Escherichia coli</i>. |
| Molecular Mass | <ul style="list-style-type: none">● 32kDa (dimeric protein). |
| Purity | <ul style="list-style-type: none">● > 95%, as determined by reduced SDS-PAGE● Dimer >90%, as determined by SEC-HPLC. |
| Biological Activity | <ul style="list-style-type: none">● ≥ 7000U/mg |
| Formulation | <ul style="list-style-type: none">● Lyophilized from a 0.2µm filtered solution in PBS containing 5% HPLC purified aa-Trehalose. |
| Solubility | <ul style="list-style-type: none">● It is recommended to reconstitute the lyophilized rHuSOD in sterile ddH₂O. |
| Stability | <ul style="list-style-type: none">● Lyophilized samples are stable for greater than three months from date of receipt at 2-8 °C. |
| Usage | <ul style="list-style-type: none">● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE. |

Human Superoxide Dismutase

Cu/Zn Human Superoxide Dismutase is a stable dimer of identical subunits with a combined molecular mass of 32,000 daltons. This enzyme dismutates the superoxide radical to molecular oxygen. This enzyme has been expressed in *E.Coli* and purified using sequential chromatography steps.