

## SOD1 Protein, Canine, Recombinant (X53S, His)

### General Information

Synonyms:	SOD1;Superoxide dismutase [Cu-Zn]
Protein Construction:	1-153 aa (X53S)
Species:	Canine
Expression Host:	E. coli
Accession:	Q8WNN6
Molecular Weight:	22.8 kDa (Predicted)
AA Sequence:	MEMKAVCVLKGQGPVEGTIHFVQKGSQPVVVSQTITGLTEGEHGFHVHQFEDSTQGCTSAGPHFNPLSKKHG GPKDQERHVGDLGNVTAGKDGVAIVSIEDSLIALSGDYSIIGRTMNVHEKRDDLKGDNEESTQTGNAGSRLA CGVIGIAQ

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by SDS-PAGE.
Endotoxin:	Not tested.
Formulation:	Lyophilized from PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 378 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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