Recombinant Dog SOD1 protein, His-tagged

Cat. No. SOD1-4563D **Lot. No.** (See product label)

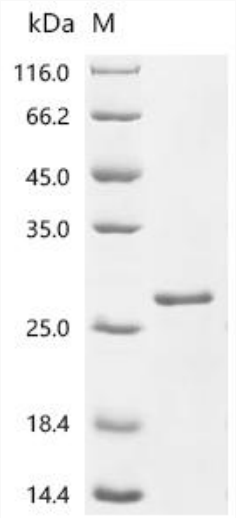
SPECIFICATION

Product Overview	Recombinant Dog SOD1 protein(Q8WNN6)(1-153 aa), fused with C-terminal His tag, was expressed in E.coli.
Species	Dog
Source	E.coli
ProteinLength	1-153 aa
Form	For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process.
Molecular Mass	22.8 kDa
AASequence	MEMKAVCVLKGQGPVEGTIHFVQKGSGPVVVSGTITGLTEGEHGFHVHQFEDSTQ GCTSAGPHFNPLSKKHGGPKDQERHVGDLGNVTAGKDGVAIVSIEDSLIALSGDYSII GRTMVVHEKRDDLGKGDNEESTQTGNAGSRLACGVIGIAQ
Purity	Greater than 95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution	Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C.

GENE INFORMATION

Gene Name	SOD1 superoxide dismutase 1, soluble [Canis lupus familiaris]
Official Symbol	SOD1
Synonyms	SOD1; superoxide dismutase 1, soluble; superoxide dismutase [Cu-Zn]; Cu/Zn superoxide dismutase; superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult));
Gene ID	403559
mRNA Refseq	NM_001003035
Protein Refseq	NP_001003035
SDS-PAGE	

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