SunLong Biotech Co.,LTD
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Recombinant Superoxide Dismutase 3, Extracellular (SOD3)

Catalog Number: SIPA075Mu01 **Spec: 10ug**

Product Name	Recombinant Superoxide Dismutase 3, Extracellular (SOD3)
Catalog Number	SIPA075Mu01
Organism Species	Mouse
Source	Prokaryotic expression
Host	E.coli
Residues	Ser25~Thr251
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Original Concentration	250μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	6.8
Predicted Molecular Mass	26.2kDa
Accurate Molecular Mass	31/33kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

SSFDLA DRLDPVEKID RLDLVEKIGD
THAKVLEIWM ELGRRREVDA AEMHAICRVQ PSATLPPDQP QITGLVLFRQ
LGPGSRLEAY FSLEGFPAEQ NASNRAIHVH EFGDLSQGCD STGPHYNPME
VPHPQHPGDF GNFVVRNGQL WRHRVGLTAS LAGPHAILGR SVVVHAGEDD
LGKGGNQASL QNGNAGRRLA CCVVGTSSSA AWESQTKERK KRRRESECKT
T

[IDENTIFICATION]

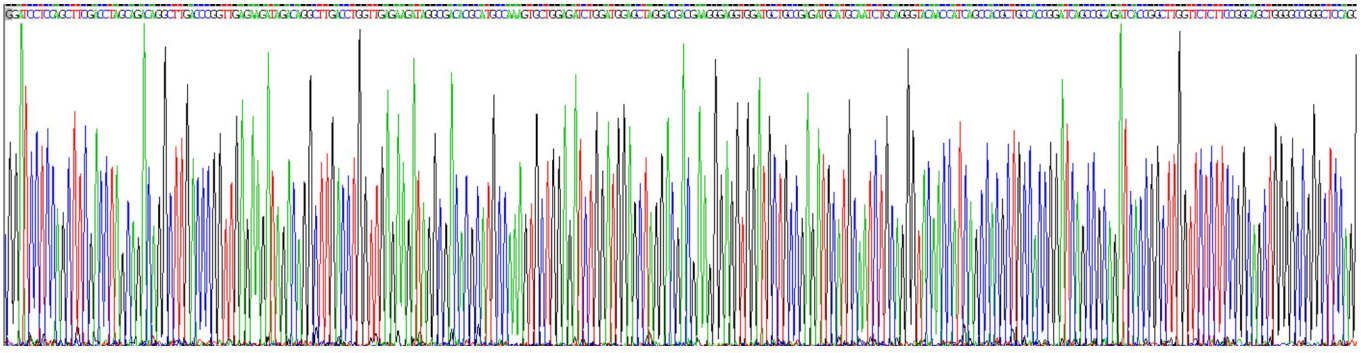


Figure . Gene Sequencing (extract)

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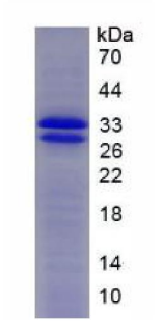


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.