Superoxide Dismutase 3, Extracellular (SOD3) Recombinant Protein | SOD3 recombinant protein

Recombinant Superoxide Dismutase 3, Extracellular (SOD3)

CATALOG #	HOST	APPLICATIONS
AAA134388	**E Coli**	**Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page**

PRODUCT SYNONYMS

Superoxide Dismutase 3; Extracellular (SOD3); Recombinant Superoxide Dismutase 3; SOD3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>92%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Applicable Applications for SOD3 recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression.
Residues	Ser25~Thr251
Tags	N-terminal His-Tag
Tissue Specificity	Lung, Kidney, Liver.
Subcellular Location	Secreted, extracellular space.
Traits	Freeze-dried powder
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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degreeC for one month. Aliquot and store at -80 degree C 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 degree 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.

IMAGES

SDS-PAGE

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755600
NCBI GeneID	20657
NCBI Accession #	NP_035565.1
NCBI GenBank Nucleotide #	NM_011435.3
UniProt Accession #	O09164
NCBI Official Full Name	extracellular superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 3, extracellular
NCBI Official Symbol	Sod3
NCBI Official Synonym Symbols	EC-SOD; AI314465
NCBI Protein Information	extracellular superoxide dismutase [Cu-Zn]; extracellular superoxide dismutase [Cu-Zn]
UniProt Protein Name	Extracellular superoxide dismutase [Cu-Zn]
UniProt Gene Name	**Sod3**
UniProt Synonym Gene Names	EC-SOD
UniProt Entry Name	SODE_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/sod3-recombinant-protein-e-coli-ip-coimmunoprecipitation-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134388