

Product datasheet

Recombinant Human Superoxide Dismutase 3/EC-SOD protein ab236186

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Description

Product name	Recombinant Human Superoxide Dismutase 3/EC-SOD protein
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P08294</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	WTGEDSAEPNSDSA EWIRDMYAKVTEIWQEVMQRRDDD GALHAACQVQPS ATLDAAQPRVTGVVLFRLAPRAKLDAFFALEGFPTPEPN SSSRAIHVHQF GDLSQGCESTGPHYNPLAVPHPQHPGDFGNFAVRDGS L WRYRAGLAASLA GPHSIVGRAVVVHAGEDDLGRGGNQASVENGNAGRRLA CCVVGVCGPGLW ERQAREHSERKKRRRESECKAA
Predicted molecular weight	24 kDa
Amino acids	19 to 240
Additional sequence information	Full-length mature chain lacking the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab236186** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Previously labelled as Superoxide Dismutase 3.

Preparation and Storage

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Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Function

Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

Tissue specificity

Expressed in blood vessels, heart, lung, kidney and placenta. Major SOD isoenzyme in extracellular fluids such as plasma, lymph and synovial fluid.

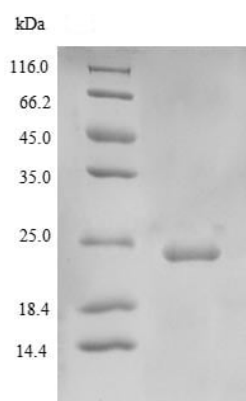
Sequence similarities

Belongs to the Cu-Zn superoxide dismutase family.

Cellular localization

Secreted > extracellular space. 99% of EC-SOD is anchored to heparan sulfate proteoglycans in the tissue interstitium, and 1% is located in the vasculature in equilibrium between the plasma and the endothelium.

Images



ab236186 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

SDS-PAGE - Recombinant Human Superoxide Dismutase 3/EC-SOD protein (ab236186)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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