

Product datasheet

Recombinant Human Superoxide Dismutase 3/EC-SOD protein (His tag) ab236182

1 Image

Description

Product name	Recombinant Human Superoxide Dismutase 3/EC-SOD protein (His tag)	
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 ATLDAAQPRVTGVVLFRLAPRAKLDAFFALEGFPTEPN SSSRAIHVHQF GDLSQGCESTGPHYNPLAVPHPQHPGDFGNFAVRDGS L WRYRAGLAASLA GPHSIVGRAVVVHAGEDDLGRGGNQASVENGNAGRRLA CCVVGVCGLW ERQAREHSERKKRRRESECKAA	
Predicted molecular weight	28 kDa including tags	
Amino acids	19 to 240	
Tags	His tag N-Terminus	
Additional sequence information	This product is the mature full length protein from aa 19 to 240. The signal peptide is not included.	

Specifications

Our **Abpromise guarantee** covers the use of **ab236182** 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

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.

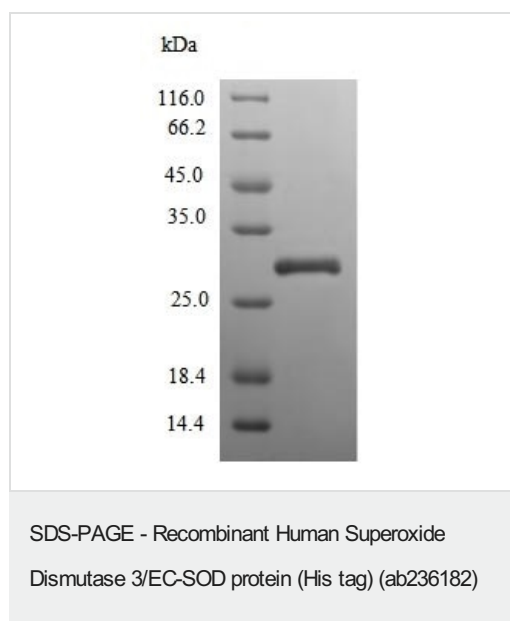
Sequence similarities

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



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis with 5% enrichment gel and 15% separation gel of ab236182.

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

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