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Datasheet for ABIN7232767
SODC1 Protein

Overview

Quantity:	25 µg
Target:	SODC1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB)

Product Details

Purpose:	Recombinant Human Cu/Zn Superoxide Dismutase Monomer
Sequence:	MATKAVCVLK GDGPVQGIIN FEQKESNGPV KVGSIKGLT EGLHGFHVHE FGDNTAGCTS AGPHFNPLSR KHGGPKDEER HVGDLGNVTA DKDGVADVSI EDSVISLSGD HCCIIGRTLVV HEKADDLGKG GNEESTKTGN AGSRLACGVI GIAQ
Characteristics:	Escherichia coli
Purity:	> 95 % as determined by SDS- PAGE and RP-HPLC
Biological Activity Comment:	Specific activity is >90 units/mg in which one unit will inhibit the rate of reduction of cytochrome c by 50% in a coupled system using xanthine and xanthine oxidase at pH 7.8 at 25 °C in a 1.5ml reaction volume.

Target Details

Target:	SODC1
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Target Details

Alternative Name:	Cu/Zn Superoxide Dismutase Monomer (SODC1 Products)
Background:	Superoxide dismutase [Cu-Zn], Cytoplasm, Mitochondrion, Nucleus, Note=Predominantly cytoplasmic, the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregate and accumulate in mitochondria., SOD1
UniProt:	P00441

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Dilute in PBS or medium that is identical to that used in the assay system.
Concentration:	Lot specific
Buffer:	Sterile-filtered solution in 20 mM Tris-HCl, pH 7.5 and 10 % glycerol.
Storage:	4 °C, -20 °C