

## Datasheet for ABIN2712377 SOD2 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Overview

Image

1

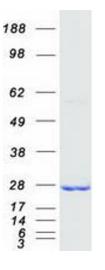
Quantity:	20 µg
Target:	SOD2
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOD2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human Superoxide dismutase 2 / SOD2 (transcript variant 1) protein expressed in HEK293 cells.</li> </ul>
	Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	SOD2

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Alternative Name:	Superoxide Dismutase 2,sod2 (SOD2 Products)
Background:	This gene is a member of the iron/manganese superoxide dismutase family. It encodes a
	mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit.
	This protein binds to the superoxide byproducts of oxidative phosphorylation and converts

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## Target Details

	them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and
	cancer. Alternative splicing of this gene results in multiple transcript variants. A related
	pseudogene has been identified on chromosome 1.
Molecular Weight:	22.2 kDa
NCBI Accession:	NP_000627
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Negative Regulation of intrinsic apoptotic Signaling
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot

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