

Product datasheet for **TP727019**

SOD2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human SOD2/Mn-SOD (C-6His, Human Cells)
Species:	Human
Expression cDNA Clone or AA Sequence:	Lys25-Lys222
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Note:	Recombinant Human Superoxide Dismutase [Mn] Mitochondrial is produced by our Mammalian expression system and the target gene encoding Lys25-Lys222 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	6648
UniProt ID:	P04179
Summary:	Superoxide Dismutase (SOD2) belongs to the iron/manganese superoxide dismutase family. SOD2 is a mitochondrial matrix protein that forms a homotetramer and binds one manganese ion per subunit. SOD2 transforms toxic superoxide, a byproduct of the mitochondrial electron transport chain into hydrogen peroxide and diatomic oxygen. It is reported that oxidative stress plays an essential role in the development of breast cancer, while SOD2 is one of the primary enzymes that directly convert potential harmful oxidizing species to harmless metabolites.



[View online »](#)