Recombinant Protein Technical Manual

Recombinant Human SOD2/Mn-SOD Protein

RPES2115

Product Data:

Product SKU: RPES2115

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: P04179

Protein Information:

Molecular Mass: 22.3 kDa

AP Molecular Mass: 25 kDa

Tag:

Bio-activity:

Purity: > 97 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.5

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Superoxide Dismutase [Mn] Mitochondrial; SOD2

Immunogen Information:

Sequence: Lys 25-Lys 222

Background:

Superoxide dismutases (SOD) are important anti-oxidant enzymes that guard against superoxide toxicity. In humans, as in all mammals and most chordates, three forms of superoxide dismutase (SOD) are present: SOD1 is located in the cytoplasm, SOD2 in the mitochondria, and SOD3 is extracellular. Mitochondrial superoxide dismutase [SOD; manganese SOD (MnSOD) or SOD2] neutralizes highly reactive superoxide radical (O(