

# Recombinant Human SOD2 Protein(Trx Tag)

RPES9362

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES9362

**Purity:** > 80% as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg, 500µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Synonyms:** SOD, MVCD, superoxide dismutase, IPO-B, IPOB, MNSOD, MVCD6, Mn-SOD, SOD2, Superoxide Dismutase [Mn] Mitochondrial, superoxide dismutase 2, IPOB, IPO-B, MNSOD, Mn-SOD, MVCD6, superoxide dismutase 2, EC:1.15.1.1, mitochondrial, Superoxide dismutase [Mn]

**Storage:** Generally, 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-Trx

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

**Expression Host:** E.coli

**Bio-Activity:** Not validated for activity

**Calculated MW:** 41.8 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Observed MW:** 36 kDa

**Reconstitution:** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

**Accession:** P04179

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Source:** E.coli-derived Human SOD2 protein Lys25-Lys222, with an N-terminal Trx

**Sequence:** Lys25-Lys222

**Form:** Lyophilized powder

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.