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Product Specification

Product Name:

Glutaredoxin-1 human - recombinant, expressed in E. coli, ≥90% (SDS-PAGE)

Product Number:

G5298

| TEST | Specification |
|----------------------------------|---|
| Appearance (Form) Lyophilized | Powder |
| Appearance (Colour) | White |
| Solubility (Vial Size -mg) | 0.25 - 0.25 mg |
| Solubility (Solvent) | 50% Glycerol |
| Solubility (Volume Injected) | 0.125 - 0.125 ml |
| Solubility (Turbidity) | Clear |
| Solubility (Color) | Colorless |
| Vial Content (Size) | 250 - 250 |
| Vial Content (Unit Of Measure) | µg Protein |
| Vial Content (Actual Content) | ≥ 250 |
| Vial Content (Testing Method) | Bradford |
| Enzym. Assay (Spec. Activity) | ≥ 300.00 U/mgP |
| Gel Electroph. (Gel) | SDS-Page |
| Gel Electroph. (Stain) | Coomassie |
| Gel Electroph. (Purity) | ≥ 90.0 % |
| Gel Elec. (Maj. Band at kDa) | 12 - 12 kDa |
| Unit Definition | ----- 1 unit oxidizes 1 µmole of NADPH per minute at pH 8 at 25 °C in a coupled reaction with glutathione reductase. |
| Recommended Retest Period | ----- 2 Years |

Specification: PRE.1.ZQ5.10000002898

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.