

# Recombinant Human COMT protein(Met1-Pro271), His-tagged

**Cat. No.** COMT-541H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human COMT (NP_000745.1) (Met1-Pro271) was expressed in Insect Cells, with a polyhistidine tag at the C-terminus.                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Met1-Pro271                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile 20 mM Tris, pH 7.5, 300 mM NaCl, 10% glycerol, 0.1% Triton. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                   |
| <b>Molecular Mass</b>   | The recombinant human COMT consists of 282 amino acids and predicts a molecular mass of 31.5 kDa.                                                                                                                                               |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| Gene Name       | COMT catechol-O-methyltransferase [ Homo sapiens ]                |
| Official Symbol | COMT                                                              |
| Synonyms        | COMT; catechol-O-methyltransferase; catechol O-methyltransferase; |
| Gene ID         | 1312                                                              |
| mRNA Refseq     | NM_000754                                                         |
| Protein Refseq  | NP_000745                                                         |
| UniProt ID      | P21964                                                            |

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