

RPJ365Ra01 10 μ g
Recombinant Catechol-O-Methyltransferase (COMT)
Organism Species: Rattus norvegicus (Rat)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gly63~Ser264

Tags: N-terminal His-Tag

Tissue Specificity: Liver, Heart, Brain, Kidney.

Subcellular Location: Cell membrane; Single-pass type II membrane protein; Extracellular side.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.4

Predicted Molecular Mass: 23.8kDa

Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

GDPQSVLE AIDTYCTQKE WAMNVGDAKG QIMDAVIREY
SPSLVLELGA YCGYSAVRMA RLLQPGARLL TMEPNPDYAA ITQQMLNFAG
LQDKVTILNG ASQDLIPQLK KKYDVDTLDM VFLDHWKDRY LPDTLLLEKC
GLLRKGTVLL ADNVIVPGTP DFLAYVRGSS SFECTHYSSY LEYMKVVDGL
EKAIYQGPSS PDKS

[IDENTIFICATION]

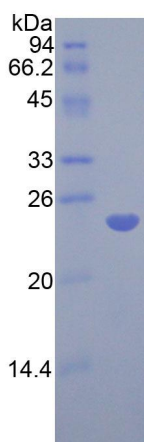


Figure 1. SDS-PAGE