

## Recombinant Rat Phosphodiesterase 10A, GST-tagged

Cat. No. Pde10a-439R    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant rat Pde10a, amino acids 449-end with N-terminal GST tag expressed in aBaculovirusinfected Sf9 cell expression system. MW = 66kDa. |
| Species          | Rat                                                                                                                                           |
| Source           | Sf9 Cells                                                                                                                                     |
| ProteinLength    | 449-end a.a.                                                                                                                                  |
| Description      | Phosphodiesterase 10A is an enzyme that in humans is encoded by the PDE10A gene.                                                              |
| Purity           | >80%.                                                                                                                                         |
| Application      | Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.                                                     |
| Formulated In    | 25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.                                                              |
| Stability        | >6 months at –80°C.                                                                                                                           |

### GENE INFORMATION

|           |                                                    |
|-----------|----------------------------------------------------|
| Gene Name | Pde10a phosphodiesterase 10A [ Rattus norvegicus ] |
|-----------|----------------------------------------------------|

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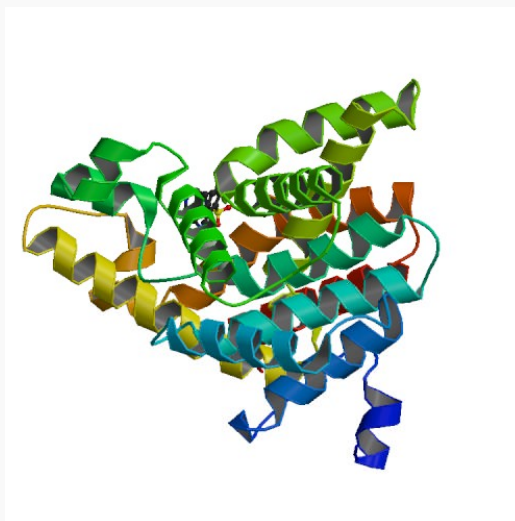
|                            |                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | Pde10a; phosphodiesterase 10A; Pde10a3; testis-specific phosphodiesterase<br>PDE10A2                                                                                                    |
| <b>Gene ID</b>             | <a href="#">63885</a>                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | <a href="#">NM_022236</a>                                                                                                                                                               |
| <b>Protein Refseq</b>      | <a href="#">NP_071572</a>                                                                                                                                                               |
| <b>UniProt ID</b>          | <a href="#">Q9QYJ6</a>                                                                                                                                                                  |
| <b>Chromosome Location</b> | 1q11                                                                                                                                                                                    |
| <b>Pathway</b>             | Progesterone-mediated oocyte maturation; Purine metabolism                                                                                                                              |
| <b>Function</b>            | 3",5"-cyclic-GMP phosphodiesterase activity; 3",5"-cyclic-nucleotide phosphodiesterase activity; cGMP binding; cAMP binding; cyclic-nucleotide phosphodiesterase activity; drug binding |

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