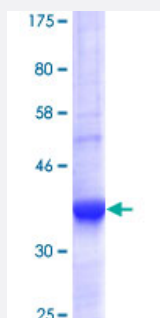


PDE10A (Human) Recombinant Protein (Q01)

Catalog # H00010846-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PDE10A partial ORF (NP_006652, 242 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GLAKQTELNDFLLDVSKTYFDNVAIDSLLEHIMYAKNLVNADRCALFQVDHKNKELYSDLFDIGEE KEGKPVFKKTKEIRFSIEKGIAGQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.86
Interspecies Antigen Sequence	Mouse (98); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDE10A

Entrez GeneID [10846](#)

GeneBank Accession# [NM_006661](#)

Protein Accession# [NP_006652](#)

Gene Name PDE10A

Gene Alias FLJ11894, FLJ25677, HSPDE10A

Gene Description phosphodiesterase 10A

Omim ID [610652](#)

Gene Ontology [Hyperlink](#)

Gene Summary Various cellular responses are regulated by the second messengers cAMP and cGMP. Phosphodiesterases, such as PDE10A, eliminate cAMP- and cGMP-mediated intracellular signaling by hydrolyzing the cyclic nucleotide to the corresponding nucleoside 5-prime monophosphate (Fujishige et al., 2000 [PubMed 10998054]).[supplied by OMIM]

Other Designations OTTHUMP00000017586|dJ416F21.1 (phosphodiesterase 10A)|phosphodiesterase 10A1 (PDE 10A1)

Pathway

- [Purine metabolism](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Schizophrenia](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Vitiligo](#)