PDE10A (catalytic domain) (human), (recombinant)

This enzyme can hydrolyze both cAMP and cGMP, but has a higher affinity for cAMP. In the brain it is present in neuronal cell bodies and neuropil of the striatum, in striatonigral and striatopallidal white matter tracks, and in the substantia nigra and globus pallidus. Outside the brain it is found in the testis, epididymal sperm, and enteric ganglia1. It is under investigation as a drug target for schizophrenia and diabetes.

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Phosphodiesterase 10A
Application Notes	Useful for kinetic and functional studies, phosphorylation of target substrates, drug screening.
Formulation	Liquid. In 20mM Tris-HCl, pH 7.5, containing 150mM NaCl, 2mM DTT.
MW	37 kDa
Source	Produced in *E. coli*. Active catalytic domain of phosphodiesterase 10A.
UniProt ID	Q9Y233

Last modified: May 29, 2024

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