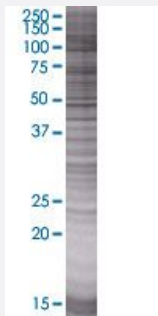


PTS 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005805-T01

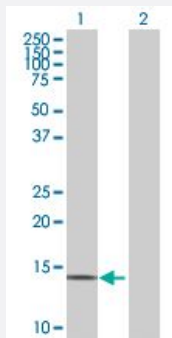
Size 100 uL

Applications



SDS-PAGE Gel

PTS transfected lysate.



Western Blot

Lane 1: PTS transfected lysate (16.06 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PTS full-length
Host	Human
Theoretical MW (kDa)	16.06
Interspecies Antigen Sequence	Mouse (87); Rat (88)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PTS antibody ([H00005805-B01](#)) by Western Blots.
SDS-PAGE Gel
PTS transfected lysate.
Western Blot
Lane 1: PTS transfected lysate (16.06 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PTS

Entrez GeneID

[5805](#)

GeneBank Accession#

[NM_000317.1](#)

Protein Accession#

[NP_000308.1](#)

Gene Name

PTS

Gene Alias

FLJ97081, PTPS

Gene Description

6-pyruvoyltetrahydropterin synthase

Omim ID

[261640](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The enzyme encoded by this gene catalyzes the elimination of inorganic triphosphate from dihydrobiopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in this gene result in hyperphenylalaninemia. [provided by RefSeq]

Other Designations

6-pyruvoyl tetrahydrobiopterin synthase|6-pyruvoyl-tetrahydropterin synthase|PTP synthase

Pathway

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Autistic Disorder](#)
- [Dystonia](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)
- [Metabolic Diseases](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)