

Recombinant Human PDYN 293 Cell Lysate

Cat. No. PDYN-3316HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for prodynorphin (PDYN) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PDYN prodynorphin [Homo sapiens]
Official Symbol	PDYN
Synonyms	PDYN; prodynorphin; SCA23, spinocerebellar ataxia 23; proenkephalin-B; ADCA; beta neoendorphin; dynorphin; leu enkephalin; leumorphin; PENKB; preproenkephalin B; rimorphin; leu-enkephalin; preprodynorphin; beta-neoendorphin-dynorphin; SCA23; MGC26418;
Gene ID	5173
mRNA Refseq	NM_001190892
Protein Refseq	NP_001177821
MIM	131340
UniProt ID	P01213
Chromosome Location	20p13
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; G-

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protein activation, organism-specific biosystem;

Function

opioid peptide activity;

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