Recombinant Human PNPO 293 Cell Lysate

Cat. No. PNPO-3065HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for pyridoxamine 5-phosphate oxidase (PNPO) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil 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	PNPO pyridoxamine 5-phosphate oxidase [Homo sapiens]
Official Symbol	PNPO
Synonyms	PNPO; pyridoxamine 5-phosphate oxidase; pyridoxine 5 phosphate oxidase; pyridoxine-5-phosphate oxidase; PDXPO; pyridoxamine-phosphate oxidase; pyridoxal 5-phosphate synthase; pyridoxine 5-phosphate oxidase; FLJ10535;
Gene ID	55163
mRNA Refseq	NM_018129
Protein Refseq	NP_060599
MIM	603287
UniProt ID	Q9NVS9
Chromosome Location	17q21.32
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Selenium Pathway, organism-specific biosystem; Vitamin B6 metabolism, organism-

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	specific biosystem; Vitamin B6 metabolism, conserved biosystem;
Function	FMN binding; oxidoreductase activity, acting on the CH-NH2 group of donors; pyridoxamine-phosphate oxidase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA