

Datasheet for ABIN7596249

POR Protein (AA 43-677) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	POR
Protein Characteristics:	AA 43-677
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This POR protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MLFRKKKEEV PEFTKIQLT SSVRESSFVE KMKKTGRNII VFYGSQTGTA EEFANRLSKD AHRYGMRGMS ADPEEYDLAD LSSLPEIDNA LVVFCMATYG EGDPTDNAQD FYDWLQETDV DLSGVKFAVF GLGNKTYEHF NAMGKYVDKR LEQLGAQRIF ELGLGDDDDGN LEEDFITWRE QFWPAVCEHF GVEATGEES IRQYELVVHT DIDAAKVYMG EMGRLKSYEN QKPPFDAKNP FLAAVTTNRK LNQGTERHLM HLELDISDSK IRYESGDHVA VYPANDSALV NQLGKILGAD LDVVMNLNNL DEESNKKHPF PCPTSRYTAL TTYLDITNPP RTNVLYELAQ YASEPSEQEL LRKMASSSGE GKELYLSWV EARRHILAIL QDCPSLRPPI DHLCELLPRL QARYYSIASS SKVHPNSVHI CAVVVEYETK AGRINKGVAT NWLRAKEPAG ENGGRALVPM FVRKSQFRLP FKATTPVIMV GPGTGVAPFI GFIQERAWLR QQGKEVGETL LYYGCRRSDE DYLYREELAQ FHRDGALTQL NVAFSREQSH KVVYQHLLKQ DREHLWKLIE GGAHIYVCGD ARNMARDVQN TFYDIVAELG AMEHAQAVDY IKKLMTKGRY SLDVWS
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Product Details

Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 1,500 pmol/min/ug, and is defined as the amount of enzyme that catalyze the reduction of 1.0 pmole cytochrome C by NADPH per minute at pH8.0 at 25C.

Target Details

Target:	POR
Alternative Name:	POR (POR Products)
Background:	POR, also known as NADPH--cytochrome P450 reductase, is a flavoprotein that donates electrons to all microsomal P450 enzymes. POR is localized to the endoplasmic reticulum, where it is also able to transfer electrons to heme oxygenase and cytochrome b5. It is structurally related to two separate flavoprotein families, ferredoxin nucleotide reductase and flavodoxin. Recombinant human POR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	73kDa (642aa)
NCBI Accession:	NP_001382342
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.