

Datasheet for ABIN7596282

POR Protein (AA 1-680) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	POR
Protein Characteristics:	AA 1-680
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:	MINMGDSHVD TSSTVSEAVA EEVSLFSMTD MILFSLIVGL LTYWFLFRKK KEEVPEFTKI QTLTSSVRES SFVEKMKKTG RNIIVFYGSQ TGTAEEFANR LSKDAHRYGM RGMSADPEEY DLADLSSLPE IDNALVVFCM ATYGEGDPTD NAQDFYDWLQ ETDVDLSGVK FAVFGLGNKT YEHFNAMGKY VDKRLEQLGA QRIFELGLGD DDGNLEEDFI TWREQFWLAV CEHFGVEATG EESSIRQYEL VVHTDIDAAK VYMGEMGRLK SYENQKPPFD AKNPFLAAVT TNRKLNQGTE RHLMHLELDI SDISKIRYESG DHVAVYPAND SALVNQLGKI LGADLDVMS LNNLDEESNK KHPFPCPTSY RTALTYLDI TNPRTNVLY ELAQYASEPS EQELLRKMAS SSGEGKELYL SWVVEARRHI LAILQDCPSL RPPIDHLCLE LPRLQARYYS IASSKVHPN SVHICAVVVE YETKAGRINK GVATNWLRAK EPVGENGGRA LVPMFVRKSQ FRLPFKATTP VIMVGP GTGV APFIGFIQER AWLRQQGKEV GETLLYYGCR RSDDEDYLYRE ELAQFHRDGA LTQLNVAFSR EQSHKVYVQH LLKQDREHLW KLIEGGAHIY VCGDARNMAR DVQNTFYDIV AELGAMEHAQ
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Product Details

AVDYIKKLMT KGRYSLDVWS

Purity: > 95% by SDS-PAGE

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Biological Activity Comment: Specific activity is > 4000 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: Cytochrome p450 reductase/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 Recombinant human POR protein expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 77.9 kDa (686aa)

NCBI Accession: [NP_000932](#)

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: 0.25 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.