

POR recombinant protein

POR

CATALOG # AAA48328	HOST Baculovirus	APPLICATIONS SDS-Page
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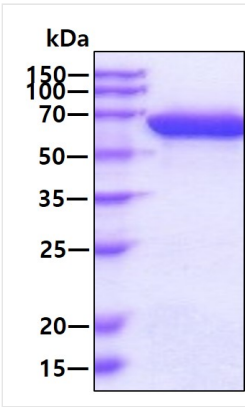
PRODUCT SYNONYMS

POR; NADPH-cytochrome P450 reductase; CPR; CYPOR; P450R; POR recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	>95% by SDS - PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	1-680aa
Sequence	MINMGDSHVD TSSTVSEAVA EEVSLFSMTD MILFSLIVGL LTYWFLFRKK KEEVPEFTKI QTLTSSVRES SFVEKMKKTG RNIIVFYGSQ TGTAEEFANR LSKDAHRYGM RGMSADPEEY DLADLSSLPE IDNALVVFCM ATYGEDPTD NAQDFYDWLQ ETDVDLSGVK FAVFGLGNKT YEHFNAMGKY VDKRLEQLGA QRIFELGLGD DDGNLEEDFI TWREQFWLAV CEHFGVEATG EESSIRQYEL VVHTDIDAAK VYMGEMGRK SYENQKPPFD AKNPFLAAVT TNRKLNQGTE RHLMHLELDI SDSKIRYESG DHVAVYPAND SALVNQLGKI LGADLDVVMS LNNLDEESNK KHPFPCPTSY RTALTYLDI TNPPRTNVLY ELAQYASEPS EQELLRKMAS SSGEGKELYL SWVVEARRHI LAILQDCPSL RPPIDHLCLE LPRLQARYYS IASSSKVHPN SVHICAVVVE YETKAGRINK GVATNWLRAK EPVGENGGRA LVPMFVRKSQ FRLPFKATTP VIMVGPGTGV APFIGFIQER AWLRQQGKEV GETLLYYGCR RSDDEDLYRE ELAQFHRDGA LTQLNVAFSR EQSHKVYVQH LLKQDREHLW KLIEGGAHIY VCGDARNMAR DVQNTFYDIV AELGAMEHAQ AVDYIKKLMT KGRYSLDVWS
Sequence Length	680
Applicable Applications for POR recombinant protein	SDS-PAGE
Antigen Species	Human
Tag	His-Tag
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for POR recombinant protein	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.
Product Categories/Family for POR recombinant protein	Cardiovascular
References	Shen A L,et al. (1989). J Biol Chem. 264:7584-7589.; Haniju M,et al. (1989). Biochemistry. 28:8639-8645.

NCBI AND UNIPROT INFORMATION

NCBI GI #	127139033
NCBI GeneID	5447
NCBI Accession #	NP_000932
NCBI GenBank Nucleotide #	NP_000932.3
UniProt Accession #	P16435
Molecular Weight	77.9kDa (686aa)
NCBI Official Full Name	NADPH--cytochrome P450 reductase isoform 1
NCBI Official Synonym Full Names	cytochrome p450 oxidoreductase
NCBI Official Symbol	POR
NCBI Official Synonym Symbols	CPR; CYPOR; P450R
NCBI Protein Information	NADPH--cytochrome P450 reductase
UniProt Protein Name	NADPH--cytochrome P450 reductase
UniProt Gene Name	POR
UniProt Synonym Gene Names	CPR; P450R
UniProt Entry Name	NCPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/por-recombinant-protein-baculovirus-sds-page/48328>