

P450 Oxidoreductase Active Protein | POR active protein

Recombinant Human P450 Oxidoreductase

CATALOG # AAA37991	HOST Sf9 Baculovirus Cells
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PRODUCT SYNONYMS

P450 Oxidoreductase; Recombinant Human P450 Oxidoreductase; P450 (Cytochrome) Oxidoreductase; EC 1.6.2.4; CYPOR; P450R; CPR; NADPH-Dependent Cytochrome P450 Reductase; NADPH--Cytochrome P450 Reductase; NADPH--cytochrome P450 reductase.; POR active protein

PRODUCT SPECIFICATIONS

Host	Sf9 Baculovirus Cells
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	POR protein solution (0.25mg/ml) contains Phosphate buffer saline (pH 7.4) and 10% glycerol.
Sequence	MINMGDSHVD TSSTVSEAVA EEVSLFSMTD MILFSLIVGL LTYWFLFRKK KEEVPEFTKI QTLTSSVRES SFVEKMKKTG RNIIVFYGSQ TGTAEFANR LSKDAHRYGM RGMSADPEEY DLADLSSLPE IDNALVFCM ATYGEGDPTD NAQDFYDWLQ ETDVDLSGVK FAVFGLGNKT YEHFNAMGKY VDKRLEQLGA QRIFELGLGD DDGNLEEDFI TWREQFWLAV CEHFGVEATG EESSIRQYEL VVHTDIDAAK VYMGEMGRLK SYENQKPPFD AKNPFLAAVT TNRKLNQGT E RHLMHLELDI SDSKIRYESG DHVAVYPAND SALVNQLGKI LGADLDVMS LNNLDEESNK KHPFPCPTSY RTALTYYLDI TNPPRTNVLY ELAQYASEPS EQELLRKMAS SSGEGKELYL SWVVEARRHI LAILQDCPSL RPPIDHLCLE LPRLQARYYS IASSSKVHPN SVHICAVVVE YETKAGRINK GVATNWLRAK EPVGENGGRA LVPMFVRKSQ FRLPFKATTP VIMVGP GTGV APFIGFIQER AWLRQQGKEV GETLLYYGCR RSDDEDYLYRE ELAQFHRDGA LTQLNVAFSR EQSHKVVYVQH LLKQDREHLW KIEGGAHIY VCGDARNMAR DVQNTFYDIV AELGAMEHAQ AVDYIKKLMT KGRYSLDVWS <u>HHHHHH</u> .
Sequence Length	680
Biological Activity	Specific activity is >4000 pmol/min/ug. One unit will catalyze the reduction of 1.0 pmole of cytochrome C by NADPH per minute at 25°C at pH 8.0.
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for POR active protein	POR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 686 amino acids (1-680a.a.) and having a molecular mass of 77.9kDa. POR is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.
Product Categories/Family for POR active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	127139033
NCBI GeneID	5447
NCBI Accession #	NP_000932.3
NCBI GenBank Nucleotide #	NM_000941.2

UniProt Accession #	P16435; Q16455; Q197M5; Q8N181; Q9H3M8; Q9UDT3
NCBI Official Full Name	NADPH--cytochrome P450 reductase
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/sf9-baculovirus-cells-por-active-protein/p450-oxidoreductase/37991>