

Recombinant Human NADPH--cytochrome P450 reductase(POR),partial

Catalog No: #AP70654

Package Size: #AP70654-1 20ug #AP70654-2 100ug #AP70654-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human NADPH--cytochrome P450 reductase(POR),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-671aaSequence Info:Partial
Accession No.	P16435
Calculated MW	102.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	GDSHVDTSSTVSEAVAEVSLFSMTDMILFSLIVGLLTYWFLFRKKKEEVPEFTKIQLTSSVRESSFVEKMKKT GRNIIVFYGSQTGTAEFANRLSKDAHRYGMRGMSADPEEYDLADLSSLPEIDNALVFCMATYGEDPTDN AQDFYDWLQETDVLDSGVKFAVFGNGKTYEHFNAMGKYVDKRLEQLGAQRIFELGLGDDDGNNLEEDFITWR EQFWPAVCEHFGVEATGEESIRQYELVVHTDIDAAKVYMGEMGRKLSYENQKPPFDAKNPFLAAVTTNRKL NQGTERHLMHLELDISDSKIRYESGDHVAVYPANDSALVNQLGKILGADLDVVMNLNDEESNKKHPPFCPT SYRTALTYLDITNPRTNVLYELAQYASEPSEQELLRKMASSSGEGKELYLSWVVEARRHILAILQDCPSLRP PIDHLCCELLPRLQARYYSIASSKVPNSVHICAVVVEYETKAGRINKGVATNWLRAKEPAGENGGRALVPMF VRKSQFRLPFKATTPVIMVGPVGTGVAPFIGFIQERAWLRQQGKEVGETLLYYGCRRSDEDYLYREELAQFHRR GALTQLNVAFSREQSHKVYVQHLLKQDREHLWKLEGGAHYVCGDARNMARDVQNTFYDIVAELGAMEHAQ AVDYIKKLMTKGRY
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

This enzyme is required for electron transfer from NADP to cytochrome P450 in microsomes. It can also provide electron transfer to he oxygenase and cytochrome B5.

References

Mutant P450 oxidoreductase causes disordered steroidogenesis with and without Antley-Bixler syndrome.Flueck C.E., Tajima T., Pandey A.V., Arlt W., Okuhara K., Verge C.F., Jabs E.W., Mendonca B.B., Fujieda K., Miller W.L.Nat. Genet. 36:228-230(2004)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.