

Datasheet for ABIN6700334

POR Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	POR
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POR protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	POR recombinant protein-GST fusion protein
Purification:	Recombinant full-length human POR was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	POR
Alternative Name:	POR (POR Products)
Background:	<p>Synonyms: CYPOR, NADPH--cytochrome P450 reductase, P450R</p> <p>Background: POR is a flavoprotein that donates electrons to all microsomal P450 enzymes, including the steroidogenic enzymes P450c17, P450c21, and CYP51A1. POR encodes an</p>

Target Details

endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain which binds two cofactors, FAD and FMN, which allow it to donate electrons directly from NADPH to all microsomal P450 enzymes (1). POR has been linked with various diseases, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome (2). POR Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Apoptosis/Autophagy, Cancer, and Metabolic Disorder research.

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: POR Protein is suitable for use in Western Blot. Expect a band approximately ~102 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 µg/µL
Buffer:	POR Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months