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Product Information

MemDX™ Membrane Protein Human EPOR (Erythropoietin receptor) expressed in insect for Antibody Discovery

Cat. No.: **MP0163Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 25.6 kDa Human EPOR membrane protein expressed in Insect. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
EPOR

Protein Length
Partial

Protein Class
Druggable Genome, Secreted Protein, Transmembrane

Molecular Weight
25.6 kDa

TMD
1

Sequence
MDHLGASLWPQVGSLCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLED
SEHAQDTYLVLDKWLLPRNPPSEDLPGPGGSVDIVAMDEGSEASSCSSALASKPSPEGASAASFEYTILDPSSQLLRPWTLCPELP

Product Description

Expression Systems
Insect

Tag
His

Form
Powder

Endotoxin

< 1.0 EU per 1 microgram of protein

Purity

>95% by SDS - PAGE

Buffer

10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

EPOR

Full Name

Erythropoietin receptor

Introduction

This gene encodes the erythropoietin receptor which is a member of the cytokine receptor family. Upon erythropoietin binding, this receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Dysregulation of this gene may affect the growth of certain tumors. Alternate splicing results in multiple transcript variants.

Alternative Names

EPO-R; erythropoietin receptor; truncated erythropoietin receptor

Gene ID

2057

UniProt ID

P19235