

Product Information

MemDX™ Membrane Protein Human EPOR (Erythropoietin receptor) Full Length

Cat. No.: **MPC2059K**

This product is for research use only and is not intended for diagnostic use.

This product is a 55 kDa Human EPOR membrane protein expressed in HEK293. 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

Full length

Protein Class

Receptor

Molecular Weight

55 kDa

TMD

1

Sequence

MDHLGASLWPQVGSCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEEL
LCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTAR
GAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVG
LVARLADESGHVVLRLWLPPEPTPMTSHIRYEVDSAGNGAGSVQRVEILE
GRTECVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSDLDP
LILTSLILVVILVLLTVLALLSHRRALKQKIWPGIPSPSEFEGLFTTH
KGNFQLWLYQNDGCLWWSPCTPFTEDPPASLEVLSERCWGTMQAVEPGTD
DEGPLLEPVGSEHAQDTYLVLDKWLLPRNPPSEDLPGPGGSVDIVAMDEG
SEASSCSSALASKPSPEGASAAASFEYTILDPSSQLLRPWTLCPCLPPTPP
HLKYLYLVVSDSGISTDYSSGDSQGAQGGLSDGPYSNPYENSLIPAAEPL
PPSYVACS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

EPOR; EPO-R; truncated erythropoietin receptor; Erythropoietin receptor

Gene ID

[2057](#)

UniProt ID

[P19235](#)