

Product Information

MemDX™ Membrane Protein Human ESR2 (Eestrogen receptor 2) for Antibody Discovery

Cat. No.: **MP0339X**

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

This product is a 61.27 kDa Human ESR2 membrane protein expressed in *in vitro* wheat germ expression system. 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

ESR2

Protein Length

Full-length

Molecular Weight

61.27 kDa

Sequence

MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLS

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

ESR2

Full Name

Eestrogen receptor 2

Introduction

This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized

Alternative Names

ER-BETA; ESR-BETA; ESRB; ESTRB; Erb; NR3A2; estrogen receptor beta,estrogen receptor beta 4

Gene ID

[2100](#)

UniProt ID

[Q92731](#)