

Product Information

MemDX™ Membrane Protein Human ADRB3 (Adrenoceptor beta 3) with GST-tag for

Antibody Discovery

Cat. No.: **MP0024X**

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

This product is a 69.9 kDa Human ADRB3 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

ADRB3

Protein Length

Full-length

Molecular Weight

69.9 kDa

TMD

7

Sequence

MAPWPHENSSLAPWPDLPNTANTSGLPGVPEAALAGALLALAVLATVGGNLLVIVAIWTPRLQTMNVFVTSLAAADLVM

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**

ADRB3

Full Name

Adrenoceptor beta 3

Introduction

The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Obesity and bodyweight-related disorders are correlated with certain polymorphisms in three subtypes of beta-adrenoceptor, among them, the ADRB3 gene.

Alternative Names

BETA3AR; Beta-3 Adrenergic Receptor

Gene ID

[155](#)

UniProt ID

[P13945](#)