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Product Information

NativeExtract™ Human ADRA1A Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX330**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human ADRA1A protein in native nanodisc form. The synthetic compound we developed can solubilize the ADRA1A protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
ADRA1A

Protein Length
Full length

Molecular Weight
51.5kDa

Sequence
Accession # P35348

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

ADRA1A

Full Name

Adrenoceptor alpha 1A

Introduction

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties.

Alternative Names

ADRA1C; ADRA1L1; ALPHA1AAR; G protein coupled receptor; alpha-1A adrenoceptor; alpha-1A adrenoreceptor; alpha-1C adrenergic receptor; ADRA1A; Adrenoceptor alpha 1A

Gene ID

148

UniProt ID

P35348

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