

Product Information

NativeExtract™ Human HTR7 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX341**

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

This product is recombinant Human HTR7 protein in native nanodisc form. The synthetic compound we developed can solubilize the HTR7 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

HTR7

Protein Length

Full length

Molecular Weight

53.6kDa

Sequence

Accession # [P34969](#)

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**

HTR7

Full Name

5-hydroxytryptamine receptor 7

Introduction

The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends.

Alternative Names

5-HT7; 5-HT-7; 5-HT-X; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled); HTR7; 5-hydroxytryptamine receptor 7

Gene ID

[3363](#)

UniProt ID

[P34969](#)