

Product Information

MemDX™ Membrane Protein Human CASR (Calcium sensing receptor) Expressed in Yeast with 6xHis tag at the N-terminus for Antibody Discovery, Partial (20-612aa)

Cat. No.: **MPX4348K**

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

This product is a 68.6kDa Human CASR membrane protein expressed in Yeast. 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

CASR

Protein Length

Partial (20-612aa)

Protein Class

GPCR

Molecular Weight

68.6kDa

TMD

7

Sequence

YGPDQRAQKKGDIILGGLFPIHFGVAAKDQDLKSRPESVECI RYNFRGFRWLQAMIFAIEEINSSPALLPNLTLGYRIFDTCNTVSKAL

Product Description

Expression Systems

Yeast

Tag

6xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CASR

Full Name

Calcium sensing receptor

Introduction

The protein encoded by this gene is a plasma membrane G protein-coupled receptor that senses small changes in circulating calcium concentration. The encoded protein couples this information to intracellular signaling pathways that modify parathyroid hormone secretion or renal cation handling, and thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene are a cause of familial hypocalciuric hypercalcemia, neonatal severe hyperparathyroidism, and autosomal dominant hypocalcemia.

Alternative Names

CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; hCasR; GPRC2A; HYPOC1; extracellular calcium-sensing receptor; parathyroid Ca(2+)-sensing receptor 1; parathyroid cell calcium-sensing receptor 1; CASR; Calcium sensing receptor

Gene ID

[846](#)

UniProt ID

[P41180](#)