

CASR 抗原（重组蛋白）

中文名称： CASR 抗原（重组蛋白）

英文名称： CASR Antigen (Recombinant Protein)

别名： calcium sensing receptor; CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 908-1078 amino acids of human CASR

技术规格

Full name:	calcium sensing receptor
Synonyms:	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
Swissprot:	P41180
Gene Accession:	BC112236
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations

in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism.