

Proteoliposomes

Full-Length

CASR (Human) Recombinant Protein

Catalog # H00000846-G01

Size 2 ug

Specification

Product Description

Human CASR full-length ORF (NP_000379.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAFYSCCWVLLALTWHTSAYGPDQRAQKKGDILGGLFPIHFVAAKDQDLKSRPESVEICIRYNF
RGFRWLQAMIFAIEEINSSPALLPNLTLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDEFCNCSE
HIPSTIAVVGATGSGVSTAVANLLGLFYIPQVSYASSSRLLSNKNQFKSFLRTIPNDEHQATAMADII
EYFRWNWVGTAADDDYGRPGIEKFREEAEERDIDFSELISQYSDEEEIQHVVEVIQNSTAKVIVV
FSSGPDLEPLIKEVRRNITGKIWLASEAWASSSLIAMPQYFHVVGGTIGFALKAGQIPGFREFLKKV
HPRKSVHNGFAKEFWEEFNFCHLQEGAKGPLPVDTFLRGHEESGDRFSNSSTA FRPLCTGDENI
SSVETPYIDYTHLRISYNVYLAVYSIAHALQDIYTCPLGRGLFTNGSCADIKKVEAWQVLKHLRHLNF
TNNMGEQVTFDECGDLVGNYSIINWHLSPEDGSIVFKEVGYYNVYAKKGERLFINEEKILWSGFSR
EVPFSNCSRDCLAGTRKGIIEGEPTCCFECVECPDGEYSDETDASACNKCPDDFWSNENHTSCI
AKEIEFLSWTEPGIALTLFAVLGIFLTAFLGVFIKFRNTPVKATNRELSYLLLFSLCCFSSSLFFI
GEPQDWTCLRQPAFGISFVLCISCILVKTNRVLLVF EAKIPTSFHRKWWGLNLQFLLVFLCTFMQI
VICVWLTYAPPSSYRNQELEDEIIFITCHEGSLMALGFLIGYTCLLAACIFFFAFKSRKLPENFN EAK
FITFSMLIFFMWISFIPAYASTYGKFVSAVEVIALAASFGLLACIFFNKIYILFKPSRNTIEEVRCSTAA
HAFKVAARATLRRSNVSRKRSSSLGGSTGSTPSSSISSKSNSEDPFPQPERQKQQQPLALTQQE
QQQQPLTLPQQQRSQQQPRCKQKVIFGSGTVTFSLSFDEPQKNAMAHGNSTHQNSLEAQKSSD
TLTRHQPLLPLQCGETDLDLTVQETGLQGPVGGDQRPEVEDPEELSPALVVSSSQSFVISGGGS
TVTENVVNS

Host Wheat Germ (in vitro)

Theoretical MW (kDa) 120.6

Interspecies Antigen Sequence Mouse (93); Rat (94)

Form Liquid

Preparation Method [in vitro wheat germ expression system with proprietary liposome technology](#)

Purification None

Recommend Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — CASR

Entrez GeneID[846](#)**GeneBank Accession#**[NM_000388.2](#)**Protein Accession#**[NP_000379.2](#)**Gene Name**

CASR

Gene Alias

CAR, FHH, FIH, GPRC2A, HHC, HHC1, MGC138441, NSHPT, PCAR1

Gene Description

calcium-sensing receptor

Omim ID[145980](#) [146200](#) [239200](#) [601199](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

extracellular calcium-sensing receptor|parathyroid Ca(2+)-sensing receptor 1

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Aortic Valve Stenosis](#)

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Calcium Metabolism Disorders](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hypercalcemia](#)
- [Hypercalciuria](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Hypocalcemia](#)
- [Hypoparathyroidism](#)
- [Hypotension](#)
- [Kidney Calculi](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Mitral Valve Stenosis](#)
- [Multiple endocrine neoplasia](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nephrolithiasis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Pancreatitis](#)
- [Parathyroid Neoplasms](#)
- [Postoperative Complications](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Spinal Fractures](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vitamin D Deficiency](#)
- [Werner syndrome](#)