

CASR (Human) Cell-Based ELISA Kit

Catalog # KA2622

Size 1 Kit

Specification

Product Description	CASR (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CASR expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — CASR

Entrez GeneID	846
Protein Accession#	P41180
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](#)