

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	CASR
Synonyms	CAR, EIG8, FHH, FIH, GPRC2A, HHC, HHC1, HYPOC1, NSHPT, PCAR1, hCasR
Description	Human CASR full length protein-synthetic nanodisc
Uniprot ID	P41180
Protein Families	GPCR, Transmembrane, Druggable Genome,
Protein Pathways	GPCRDB Class C Metabotropic glutamate pheromone, Apoptosis, G-Protein Coupled Receptors Signaling Pathway, Osteogenesis,
Molecular Weight	The human full length CASR protein has a MW of 120.7kDa
Delivery	6~8weeks
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Aug 2017]
Usage	Research use only
Conjugate	Unconjugated

