

Recombinant Human CASR Protein (Y20-S1078 end), N-HA/Flag and C-10×His-tagged

Cat. No. CASR-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HA(signal peptide)-Flag-TEV-CaSR(Y20-S1078 end)-10His was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Y20-S1078 end
Description	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.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	80%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	20 mM HEPES pH 7.5, 150 mM NaCl, 0.005% GDN, 0.0005% CHS
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	CASR calcium-sensing receptor [Homo sapiens (human)]
Official Symbol	CASR
Synonyms	CASR; calcium-sensing receptor; HHC, HHC1, hypocalciuric hypercalcemia 1; extracellular calcium-sensing receptor; FHH; GPRC2A; NSHPT; severe neonatal hyperparathyroidism; parathyroid Ca(2+)-sensing receptor 1; parathyroid cell calcium-sensing receptor; CAR; FIH; HHC; EIG8; HHC1; PCAR1; MGC138441;
Gene ID	846
mRNA Refseq	NM_000388
Protein Refseq	NP_000379
MIM	601199
UniProt ID	P41180

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