

Recombinant Rat Casr Protein (Lys863-Ser1079), N-His tagged

Cat. No. Casr-6838R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Casr (Lys863-Ser1079) fused with the N-terminal His tag was expressed in mammalian cells.
Species	Rat
Source	Mammalian Cells
ProteinLength	Lys863-Ser1079
Description	Enables integrin binding activity; protein kinase binding activity; and transmembrane transporter binding activity. Involved in several processes, including G protein-coupled receptor signaling pathway; blood vessel diameter maintenance; and cellular chemical homeostasis. Located in several cellular components, including apical plasma membrane; basolateral plasma membrane; and neuronal cell body. Used to study cardiomyopathy. Biomarker of atherosclerosis; myocardial infarction; and pulmonary hypertension. Human ortholog (s) of this gene implicated in several diseases, including autosomal dominant hypocalcemia (multiple); hypercalcemia (multiple); hyperparathyroidism (multiple); idiopathic generalized epilepsy 8; and nephrolithiasis (multiple). Orthologous to human CASR (calcium sensing receptor).
Form	Lyophilized powder/frozen liquid
Molecular Mass	52.3 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in TBS, pH 7.5 or lyophilized from TBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Casr calcium-sensing receptor [Rattus norvegicus (Norway rat)]
Official Symbol	Casr
Synonyms	Casr; calcium-sensing receptor; PCaR1; RaKCaR; extracellular calcium-sensing receptor; Calcium-sensing receptor (hypocalciuric hypercalcemia 1, severe neonatal hyperparathyroidism); parathyroid Cell calcium-sensing receptor
Gene ID	24247
mRNA Refseq	NM_016996
Protein Refseq	NP_058692
UniProt ID	P48442

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