

Recombinant Human CASR protein, His-tagged

Cat. No. CASR-3685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASR protein(279-604 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	279-604 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LIKEIVRRNITGKIWLASEAWASSSLIAMPQYFHVVGGTIGFALKAGQIPGFREFLKKV HPRKSVHNGFAKEFWEEETFNCHLQEGAKGPLPVDTFRLRGHEESGDRFSNSSTAFR PLCTGDENISSVETPYIDYTHLRISYINVYLAVYSIAHALQDIYTCLPGRGLFTNGSCADI KKVEAWQVLKHLRHLNFTNNMGEQVTFDECGDLVGNYSIINWHLSPEDGSIVFKEV GYYNVYAKKGERLFINEEKILWSGFSREVPFSNCSRDCLAGTRKGIIEGEPTCCFEC VECPDGEYSDETDASACNKCPDDFWSNENHTSCIAKEIE
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

CASR calcium-sensing receptor [Homo sapiens]

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

UniProt ID

P41180

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