Recombinant Human CASR Protein (20-612 aa), GST-tagged

Cat. No. CASR-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASR Protein (20-612 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	20-612 aa
Description	Senses changes in the Extracellular domain concentration of calcium ions. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger syst.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	93.6 kDa
AA Sequence	YGPDQRAQKKGDIILGGLFPIHFGVAAKDQDLKSRPESVECIRYNFRGFRWLQAMIF AIEEINSSPALLPNLTLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDEFCNCSEHIP STIAVVGATGSGVSTAVANLLGLFYIPQVSYASSSRLLSNKNQFKSFLRTIPNDEHQA TAMADIIEYFRWNWVGTIAADDDYGRPGIEKFREEAEERDICIDFSELISQYSDEEEIQ HVVEVIQNSTAKVIVVFSSGPDLEPLIKEIVRRNITGKIWLASEAWASSSLIAMPQYFH VVGGTIGFALKAGQIPGFREFLKKVHPRKSVHNGFAKEFWEETFNCHLQEGAKGPL PVDTFLRGHEESGDRFSNSSTAFRPLCTGDENISSVETPYIDYTHLRISYNVYLAVYSI

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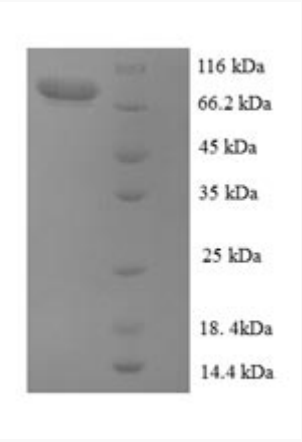
	AHALQDIYTCLPGRGLFTNGSCADIKKVEAWQVLKHLRHLNFTNNMGEQVTFDECG DLVGNYSIINWHLSPEDGSIVFKEVGYYNVYAKKGERLFINEEKILWSGFSREVPFSN CSRDCLAGTRKGIIEGEPTCCFECVECPDGEYSDETDASACNKCPDDFWSNENHTS CIAKEIEFLSWTEPF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	CASR calcium-sensing receptor [Homo sapiens]
Official Symbol	CASR
Synonyms	CASR; FHH; GPRC2A; NSHPT; CAR; FIH; HHC; EIG8; HHC1; PCAR1; MGC138441;
Gene ID	846
mRNA Refseq	NM_000388
Protein Refseq	NP_000379

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UniProt ID	P41180



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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