



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CASR (Human) Recombinant Protein

**Catalog Number:** H00000846-G01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CASR full-length ORF (NP\_000379.2) recombinant protein without tag.

**Sequence:**

MAFYSCCWVLLALTWHTSAYGPDQRAQKKGDIILGGL  
FPIHFGVAAKDQDLKSRPESVECI RYNFRGFRWLQAMI  
FAIEEINSSPALLPNLTLGYRIFDTCNTVSKALEATLSFV  
AQNKIDSLNLDEFNCSEHIPSTIAVVGATGSGVSTAV  
ANLLGLFYIPQVSYASSRLLSNKNQFKSFLRTIPNDEH  
QATAMADIEYFRWNWVGTIAADDDYGRPGIEKFREEA  
EERDIDFSELISQYSDEEEIQHVVEVIQNSTAKVIVVF  
SSGPDLEPLIKEIVRRNITGKIWLASEAWASSSLIAMPQ  
YFHVVGGTIGFALKAGQIPGFREFLKKVHPRKSVHNGF  
AKEFWEETFNCHLQEGAKGPLVDFTLRGHEESGDR  
FSNSSTAFRPLCTGDENISSVETPYIDYTHLRISYNYL  
AVYSIAHALQDIYTCLPGRGLFTNGSCADIKKVEAWQV  
LKHLRHLNFTNNMGEQVTFDECGDLVGNYSIINWHL  
PEDGSIVFKEVGYNYVYAKKGERLFINEEKILWSGFSR  
EVPFNSNCRDCLAGTRKGIIEGEPTCCFECVECPDGE  
YSDETDASACNKCPDDFWSNENHTSCIAKEIEFLSWT  
EPFGIALTLFAVLGIFLTAFVLGVFIKFRNTPIVKATNREL  
SYLLLFSLCCFSSSLFFIGEPQDWTCLRLRQPAFGISFV  
LCISCILVKTNRVLLVFEAKIPTSFHRKWWGLNLQFLLV  
FLCTFMQIVICVIWLYTAPPSSYRNQELEDEIIFITCHEG  
SLMALGFLIGYTCLLAAICFFFAFKSRKLPENFNEAKFIT  
FSMLIFFIVWISFIPAYASTYGKFSVAVEVIAI AASFGLL  
ACIFFNKIYIILFKPSRNTIEEVRCSAAHAFKVAARATL  
RRSNVSRKRSSSLGGSTGTPSSSISKSNSDPFPQ  
PERQKQQQPLALTQQEQQQQPLTLPQQQRSQQQPR  
CKQKVIFGSGTVTFSLSFDEPQKNAMAHGNSTHQNSL  
EAQKSSDTLTRHQPLLQCGETDLTLTVQETGLQGP  
VGGDQRPEVEDPEELSPALVSSSQSFVISGGGSTVT  
ENVVNS

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 120.6

**Applications:** AP

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Preparation Method:** [in vitro wheat germ expression system with proprietary liposome technology](#)

**Purification:** None

**Recommend Usage:** Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**Storage Buffer:** 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 846

**Gene Symbol:** CASR

**Gene Alias:** CAR, FHH, FIH, GPRC2A, HHC, HHC1, MGC138441, NSHPT, PCAR1

**Gene Summary:** The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism. [provided by RefSeq]