

Recombinant Human Extracellular domain calcium-sensing receptor(CASR),partial

Catalog No: #AP70121

Package Size: #AP70121-1 20ug #AP70121-2 100ug #AP70121-3 1mg

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Description

Product Name	Recombinant Human Extracellular domain calcium-sensing receptor(CASR),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-612aaSequence Info:Extracellular Domain
Other Names	Parathyroid cell calcium-sensing receptor 1 ;PCaR1
Accession No.	P41180
Calculated MW	93.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	YGPDQRAQKKGDIIILGGLFPIHFGVAAKDQDLKSRPESVECI RYNFRGFRWLQAMIFAIEEINSSPALLPNLTG YRIFDTCNTVSKALEATLSFVAQNKIDSLNDEFNCNCEHIPSTIAVVGATGSGVSTAVANLLGLFYIPQVSYASS SRLLSNKNQFKSFLRTIPNDEHQATAMADIIEYFRWNWVG TIAADDDYGRPGIEKFREEAEERDIDFSELISQ YSDEEEIQHVVEVIQNSTAKVIVVFSSGPDLEPLIKEIVRRNITGKIWLASEAWASSSLIAMPQYFHVVG GTIGFA LKAGQIPGFRFLKKVHPRKSVHNGFAKEFW EETFNCHLQEGAKGPLPVD TFLRGHEESGDRFSNSSTA FRP LCTGDENISSVETPYIDYTHLRISYNVYLAVYSIAHALQDIYTCLPGRGLFTNGSCADIKKVEAWQVLKHLRHLN FTNMGEQVTFDECGDLVGNYSIINWHLSPEDGSIVFKEVGYYNVYAKKGERLFINEEKILWSGFSREV PFSN CSRDCLAGTRKGIIEGEPTCCFECVECPDGEYSDET DASACNKCPDDFWSNENHTSCIAKEIEFLSWTEPF
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Rab1 small GTP-binding protein regulates cell surface trafficking of the human calcium-sensing receptor.Zhuang X., Adipietro K.A., Datta S., Northup J.K., Ray K.Endocrinology 151:5114-5123(2010)Research Topic:Neuroscience

Note: This product is for in vitro research use only and is not intended for use in humans or animals.