

Recombinant Human Corticotropin-releasing factor receptor 1

Catalog No: #AP72509

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Package Size: #AP72509-1 20ug #AP72509-2 100ug #AP72509-3 1mg

Description

Product Name	Recombinant Human Corticotropin-releasing factor receptor 1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-121aaSequence Info:Partial
Other Names	Corticotropin-releasing hormone receptor 1 ;CRH-R-1 ;CRH-R1
Accession No.	P34998
Uniprot	P34998
GeneID	104909134;1394;
Calculated MW	13 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ASLQDQHCESSLASNISGLQCNASVDLIGTCWPRSPAGQLVVRPCPAFFYGVRYNTTNGYRECLANGSWA ARVNYSECQEILNEEKSKVHYHVAVI
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

G-protein coupled receptor for CRH (corticotropin-releasing factor) and UCN (urocortin). Has high affinity for CRH and UCN. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and down-stream effectors, such as adenylate cyclase. Promotes the activation of adenylate cyclase, leading to increased intracellular cAMP levels. Inhibits the activity of the calcium channel CACNA1H. Required for normal bryonic development of the adrenal gland and for normal hormonal responses to stress. Plays a role in the response to anxiogenic stimuli.

References

Expression cloning of a human corticotropin-releasing-factor receptor.Chen R., Lewis K.A., Perrin M.H., Vale W.W.Proc. Natl. Acad. Sci. U.S.A. 90:8967-8971(1993)Research Topic:Neuroscience

Note: This product is for in vitro research use only