

Renin-2 (Ren2) Recombinant Protein | Ren2 recombinant protein

Recombinant Mouse Renin-2 (Ren2), partial

CATALOG #
AAA235212

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

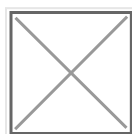
PRODUCT SYNONYMS

Renin-2 (Ren2); Recombinant Mouse Renin-2 (Ren2); partial; ChemerinRAR-responsive protein TIG2Tazarotene-induced gene 2 protein; Ren2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Sequence Positions	64-351. Partial
Sequence	SSLTDLISPV VLTNYLNSQY YGEIGIGTPP QTFKVIFDTG SANLWVPSTK CSRLYLACGI HSLYESSDSS SYMENGDDFT IHYGSGRVKG FLSQDSVTVG GITVTQTFGE VTELPLIPFM LAQFDGVLGM GFPAQAVGGV TPVFDHILSQ GVLKEKVFSV YYNRGPHLLG GEVVLGGSDP EHYQGDFHYV SLSKTDSWQI TMKGVSXGSS TLLCEECEV VVDTGSSFIS APTSSLKLIM QALGAKEKRL HEYVVSCSQV PTLPDISFNL GGRAYTLSS DYVLQYPN
Organism	Mus musculus (Mouse)
Tag Information	N-terminal 6xHis-tagged
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Ren2 recombinant protein	Adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and inflammation through activation of the chokine-like receptor 1 (CMKLR1). Its other ligands include G protein-coupled receptor 1 (GPR1) and chokine receptor-like 2 (CCRL2). Positively regulates adipocyte differentiation, modulates the expression of adipocyte genes involved in lipid and glucose metabolism and might play a role in angiogenesis, a process essential for the expansion of white adipose tissue. Also acts as a proinflammatory adipokine, causing an increase in secretion of proinflammatory and prodiabetic adipokines, which further impair adipose tissue metabolic function and have negative systic effects including impaired insulin sensitivity, altered glucose and lipid metabolism, and a decrease in vascular function in other tissues. Can have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases. Acts as a chotactic factor for leukocyte populations expressing CMKLR1, particularly immature plasmacytoid dendritic cells, but also immature myeloid DCs, macrophages and natural killer cells. Exerts an anti-inflammatory role by preventing TNF/TNFA-induced VCAM1 expression and monocytes adhesion in vascular endothelial cells. The effect is mediated via inhibiting activation of NF-kappa-B and CRK/p38 through stimulation of AKT1/NOS3 signaling and nitric oxide production. Its dual role in inflammation and metabolism might provide a link between chronic inflammation and obesity, as well as obesity-related disorders such as type 2 diabetes and cardiovascular disease. Exhibits an antimicrobial function in the skin.
Product Categories/Family for Ren2 recombinant protein	Neuroscience
References	A tissue-specific atlas of mouse protein phosphorylation and expression.Huttlin E.L., Jedrychowski M.P., Elias J.E., Goswami T., Rad R., Beausoleil S.A., Villen J., Haas W., Sowa M.E., Gygi S.P.Cell 143:1174-1189 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	118150650
NCBI GeneID	19702
NCBI Accession #	NP_112470.2
NCBI GenBank Nucleotide #	NM_031193.2
UniProt Accession #	P00796; P70229; P97955; Q62155
Molecular Weight	35 kDa
NCBI Official Full Name	renin-2
NCBI Official Synonym Full Names	renin 2 tandem duplication of Ren1
NCBI Official Symbol	Ren2
NCBI Official Synonym Symbols	Ren; Rnr; Rn-2; Ren-2; Ren-B
NCBI Protein Information	renin-2
UniProt Protein Name	Renin-2
UniProt Gene Name	Ren2
UniProt Synonym Gene Names	Ren-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.