

Type-1 angiotensin II receptor Recombinant Protein | AGTR1 recombinant protein

Recombinant Human Type-1 angiotensin II receptor

CATALOG # AAA113907	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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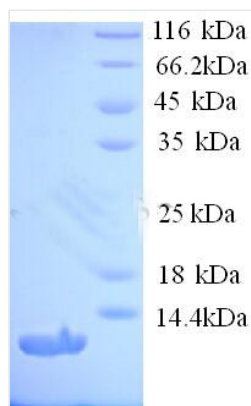
PRODUCT SYNONYMS

Type-1 angiotensin II receptor; Recombinant Human Type-1 angiotensin II receptor; AT1AR AT1BR Angiotensin II type-1 receptor; AT1; AGTR1 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.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	297-359aa; partial
Sequence	LNPLFYGFLG KFKRYFLQL LKYIPPKAKS HSNLSTKMST LSYRPSDNVS SSTKKPAPCF EVE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for AGTR1 recombinant protein	Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Product Categories/Family for AGTR1 recombinant protein	Cancer

References	Cloning, expression, and characterization of a gene encoding the human angiotensin II type 1A receptor. Mauzy C.A., Hwang O., Egloff A.M., Wu L.H., Chung F.-Z. <i>Biochem. Biophys. Res. Commun.</i> 186:277-284(1992) Molecular cloning and sequencing of the gene encoding human angiotensin II type 1 receptor. Furuta H., Guo D.F., Inagami T. <i>Biochem. Biophys. Res. Commun.</i> 183:8-13(1992) Cloning and characterization of a human angiotensin II type 1 receptor. Bergsma D.J., Ellis C., Kumar C., Nuthalaganti P., Kersten H., Elshourbagy N.A., Griffin E., Stadel J.M., Aiyar N. <i>Biochem. Biophys. Res. Commun.</i> 183:989-995(1992) Molecular cloning, sequence analysis and expression of a cDNA encoding human type-1 angiotensin II receptor. Takayanagi R., Ohnaka K., Sakai Y., Nakao R., Yanase T., Haji M., Inagami T., Furuta H., Gou D.F., Nakamura M., Nawata H. <i>Biochem. Biophys. Res. Commun.</i> 183:910-916(1992) Genetic analysis of the human type-1 angiotensin II receptor. Curnow K.M., Pascoe L., White P.C. <i>Mol. Endocrinol.</i> 6:1113-1118(1992) Novel subtype of human angiotensin II type 1 receptor cDNA cloning and expression. Konishi H., Kuroda S., Inada Y., Fujisawa Y. <i>Biochem. Biophys. Res. Commun.</i> 199:467-474(1994) Type 1 angiotensin II receptors of adrenal tumors. Nawata H., Takayanagi R., Ohnaka K., Sakai Y., Imasaki K., Yanase T., Ikuyama S., Tanaka S., Ohe K. <i>Steroids</i> 60:28-34(1995) Cloning and sequencing of a human cDNA encoding the angiotensin II receptor type 1. Ostermann E., Castanon M.J. <i>Rapid identification of polymorphisms in genomic DNA a high density SNP map of the type I angiotensin II receptor gene locus on chromosome 3q.</i> Antonellis A., Rogus J.J., Pezzolesi M.G., Makita Y., Nam M., Doria A., Warram J.H., Krolewski A.S. <i>cDNA clones of human proteins involved in signal transduction sequenced by the Guthrie cDNA resource center (www.cdna.org)</i> .Kopatz S.A., Aronstam R.S., Sharma S.V. <i>G-protein-coupled receptor Mas is a physiological antagonist of the angiotensin II type 1 receptor.</i> Kostenis E., Milligan G., Christopoulos A., Sanchez-Ferrer C.F., Heringer-Walther S., Sexton P.M., Gembardt F., Kellett E., Martini L., Vanderheyden P., Schultheiss H.P., Walther T. <i>Circulation</i> 111:1806-1813(2005) A strategy for precise and large scale identification of core fucosylated glycoproteins. Jia W., Lu Z., Fu Y., Wang H.P., Wang L.H., Chi H., Yuan Z.F., Zheng Z.B., Song L.N., Han H.H., Liang Y.M., Wang J.L., Cai Y., Zhang Y.K., Deng Y.L., Ying W.T., He S.M., Qian X.H. <i>Mol. Cell. Proteomics</i> 8:913-923(2009) Mutations in genes in the renin-angiotensin system are associated with autosomal recessive renal tubular dysgenesis. Gribouval O., Gonzales M., Neuhaus T., Aziza J., Bieth E., Laurent N., Bouton J.M., Feuillet F., Makni S., Ben Amar H., Laube G., Delezoide A.-L., Bouvier R., Djoud F., Ollagnon-Roman E., Roume J., Joubert M., Antignac C., Gubler M.-C. <i>Nat. Genet.</i> 37:964-968(2005)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501997
NCBI GeneID	185
NCBI Accession #	NP_000676.1
NCBI GenBank Nucleotide #	NM_000685.4
UniProt Accession #	P30556; Q13725; Q8TBK4
Molecular Weight	9.2 kDa
NCBI Official Full Name	type-1 angiotensin II receptor isoform 1
NCBI Official Synonym Full Names	angiotensin II receptor type 1
NCBI Official Symbol	AGTR1
NCBI Official Synonym Symbols	AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1B
NCBI Protein Information	type-1 angiotensin II receptor
UniProt Protein Name	Type-1 angiotensin II receptor
UniProt Gene Name	AGTR1
UniProt Synonym Gene Names	AGTR1A; AGTR1B; AT2R1; AT2R1B; AT1
UniProt Entry Name	AGTR1_HUMAN

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.