

Recombinant Human AGTR2 protein, His/SUMO-tagged

Cat. No. AGTR2-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGTR2(1-45aa) fused with His/SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-45aa
Description	The protein encoded by this gene belongs to the G-protein coupled receptor 1 family, and functions as a receptor for angiotensin II. It is an intergral membrane protein that is highly expressed in fetus, but scantily in adult tissues, except brain, adrenal medulla, and atretic ovary. This receptor has been shown to mediate programmed cell death and this apoptotic function may play an important role in developmental biology and pathophysiology. Mutations in this gene are been associated with X-linked mental retardation.
Form	20mM Tris-HCl based buffer,pH8.0
AA Sequence	MKGNSTLATTSKNITSGLHFGLVNIISGNNESTLNCSQKPSDKHLD
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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GENE INFORMATION

Gene Name	AGTR2 angiotensin II receptor, type 2 [Homo sapiens]
Official Symbol	AGTR2
Synonyms	AGTR2; angiotensin II receptor, type 2; angiotensin receptor 2; type-2 angiotensin II receptor; AT2; MRX88; angiotensin II type-2 receptor; ATGR2;
Gene ID	186
mRNA Refseq	NM_000686
Protein Refseq	NP_000677
MIM	300034
UniProt ID	P50052
Chromosome Location	Xq22-q23
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem;
Function	G-protein coupled receptor activity; angiotensin type II receptor activity; protein binding; receptor activity; receptor antagonist activity; signal transducer activity;

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