

Recombinant Human AVPR1A cell lysate

Cat. No. AVPR1A-152HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AVPR1A arginine vasopressin receptor 1A [Homo sapiens]
Official Symbol	AVPR1A
Synonyms	AVPR1A; arginine vasopressin receptor 1A; AVPR1; vasopressin V1a receptor; V1aR; AVPR V1a; V1a vasopressin receptor; antidiuretic hormone receptor 1A;

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	SCCL vasopressin subtype 1a receptor; V1-vascular vasopressin receptor AVPR1A; vascular/hepatic-type arginine vasopressin receptor;
Gene ID	552
mRNA Refseq	NM_000706
Protein Refseq	NP_000697
MIM	600821
UniProt ID	P37288
Chromosome Location	12q14-q15
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) 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;
Function	G-protein coupled receptor activity; V1A vasopressin receptor binding; peptide hormone binding; protein binding; protein kinase C binding; receptor activity; signal transducer activity; vasopressin receptor activity;