PRODUCT INFORMATION

Target	AVPR1A
Synonyms	V1aR; AVPR1; AVPR V1a
Description	Recombinant human AVPR1A Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P37288
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	AVPR1A(Met1-Lys52) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 31.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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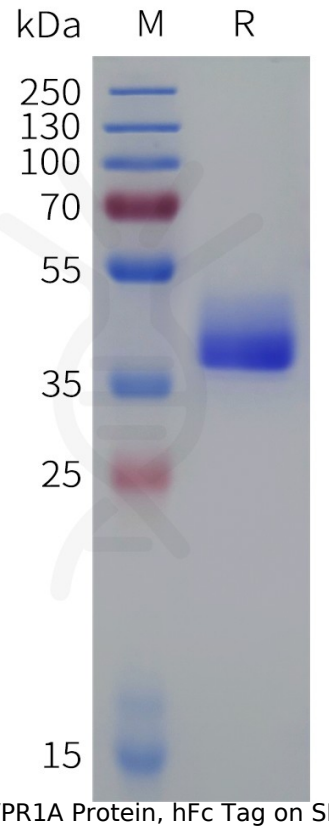


Figure 1. Human AVPR1A Protein, hFc Tag on SDS-PAGE under reducing condition.

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