

RPES8348

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**Product Information**

<b>Product SKU:</b>	RPES8348	<b>Expression Host:</b>	Mammalian	<b>Size:</b>	20µg
<b>Tag:</b>	C-Fc	<b>Reactivity:</b>	Human	<b>Accession:</b>	P37023

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**Additional Information**

<b>Calculated MW:</b>	35.5 kDa	<b>Observed MW:</b>	50 kDa
<b>Sequence:</b>	Asp22-Gln118		

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**Protein Information**

<b>Background:</b>	Activin A receptor , type II-like 1 (ACVRL1) , also known as ALK-1 (activin receptor-like kinase 1) , is an endothelial-specific type I receptor of the TGF-beta (transforming growth factor beta) receptor family of ligands. On ligand binding , a heteromeric receptor complex forms consisting of two type II and two type I transmembrane serine/threonine kinases. ACVRL1 protein is expressed in certain blood vessels of kidney , spleen , heart and intestine , serving as an important role during vascular development. Mutations in ACVRL1 gene are associated with hemorrhagic telangiectasia type 2 , also known as Rendu-Osler-Weber syndrome 2 and vascular disease.
<b>Synonyms:</b>	SKR, ORW, Activin Receptor-Like Kinase, Serine/Threonine-Protein Kinase Receptor R, ACVRL, ACVRLK, ALK, ACVRL1, ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I, Activin Receptor-Like Kinase 1, Serine/Threonine-Protein Kinase Receptor R3, TGF-B Superfamily Receptor Type I
<b>Endotoxin:</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Purity:</b>	> 90% as determined by reducing SDS-PAGE.
<b>Bio-Activity:</b>	Not validated for activity

**Storage:**

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.