

## Product Data Sheet

## APEG1 Protein, Human (His)

Cat. No.:	HY-P76729
Synonyms:	Striated muscle preferentially expressed protein kinase; APEG-1; SPEG; KIAA1297
Species:	Human
Source:	E. coli
Accession:	Q15772-4 (M1-E113)
Gene ID:	10290
Molecular Weight:	Approximately 15 kDa

ROPERTIES					
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A Sequence		MKPSPSONRR	MKPSPSQNRR SSDTGSKAPP	MKPSPSONRR SSDTGSKAPP TFKVSLMDOS	MKPSPSQNRR SSDTGSKAPP TFKVSLMDQS VREGQDVIMS
		-	I R V Q G E P K P V V S W L R N R Q P V		
		L A A E R G D A G F	LAAERGDAGF YTCKAVNEYG	LAAERGDAGF YTCKAVNEYG ARQCEARLEV	LAAERGDAGF YTCKAVNEYG ARQCEARLEV RGE
<b>Biological Activity</b>	When Recombinant Huma	When Recombinant Human APEG1 Protein is immobil	When Recombinant Human APEG1 Protein is immobilized at 10 $\mu$ g/mL (100 $\mu$ L/we	When Recombinant Human APEG1 Protein is immobilized at 10 $\mu$ g/mL (100 $\mu$ L/well) can bind Anti- APEG1 Antibod	
		$_{50}$ for this effect is 8.941 $\mu$	$_{50}$ for this effect is 8.941 $\mu g/mL$	$_{50}$ for this effect is 8.941 $\mu g/mL.$	<sub>50</sub> for this effect is 8.941 μg/mL.
Appearance		Solution.	Solution.	Solution.	Solution.
Formulation		Supplied as a 0.2 µm filter	Supplied as a 0.2 $\mu m$ filtered solution of PBS, pH 7.4	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4
Endotoxin Level		<1 EU/µg, determined by	<1 EU/µg, determined by LAL method.	<1 EU/µg, determined by LAL method.	<1 EU/µg, determined by LAL method.
		N1/A	N/A		
Reconsititution		N/A.	N/A.	N/A.	N/A.
Storage & Stability		Stored at -80°C for 1 year.	Stored at -80°C for 1 year. It is stable at -20°C for 3 mo	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is reco	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at
		extended storage. Avoid r	extended storage. Avoid repeated freeze-thaw cycles.	extended storage. Avoid repeated freeze-thaw cycles.	extended storage. Avoid repeated freeze-thaw cycles.
Shipping		Shipping with dry ice.	Shipping with dry ice.	Shipping with dry ice.	Shipping with dry ice.
		Shipping war ary ice.	Shipping with dry lee.	Shipping with dry ice.	Shipping with dry lee.

DESCRIPTION	
Background	APEG1, specifically isoform 3, is implicated in the potential regulation of growth and differentiation processes in arterial smooth muscle cells.

## Caution: Product has not been fully validated for medical applications. For research use only.

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