Human EPHA3 Protein

Cat. No. EPH-HM1A3

Description

Source	Recombinant Human EPHA3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Glu21-Gln541.
Accession	P29320-1
Molecular Weight	The protein has a predicted MW of 59.9 kDa. Due to glycosylation, the protein migrates to 70-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

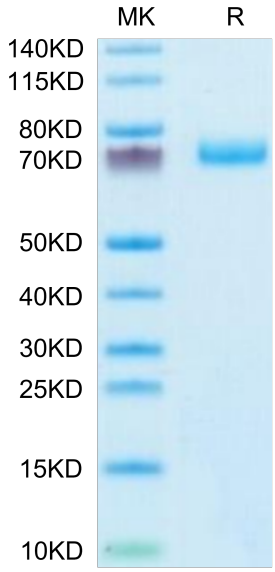
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Erythropoietinproducing hepatocellular carcinoma cell surface typeA receptor 3 (EPHA3) has been found to promote the proliferation and survival of prostate cancer (PCa) cell lines and prostate tumor development in nude mice. The interaction of AR and SP1 contributes to regulate EPHA3 expression, and the SP1 binding sites (295~261) in the EPHA3 core promoter region is crucial to the regulation of EPHA3 expression in response to androgen hormone stimuli.

Assay Data

Bis-Tris PAGE



Human EPHA3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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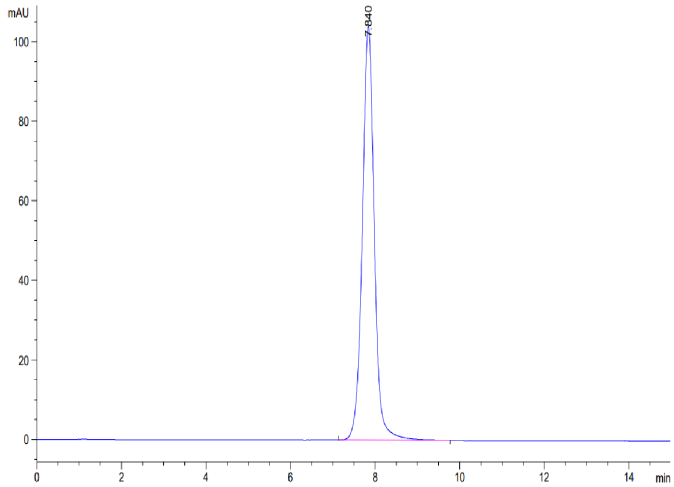

The purity of Human EPHA3 is greater than 95% as determined by SEC-HPLC.