

ROBO4 Protein, Human (HEK293, His)

Cat. No.:	HY-P76009
Synonyms:	Roundabout homolog 4; Magic roundabout; ROBO4; UNQ421/PRO3674
Species:	Human
Source:	HEK293
Accession:	Q8WZ75 (Q48-E469)
Gene ID:	54538
Molecular Weight:	55-65 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	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 -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	The ROBO4 Protein functions as a receptor for Slit proteins, particularly SLIT2, and appears to play a crucial role in angiogenesis and vascular patterning. It is implicated in mediating the inhibition of primary endothelial cell migration by Slit proteins, contributing to the regulation of cellular responses during angiogenic processes. Furthermore, ROBO4 is involved in maintaining the organization and function of the endothelial barrier, as evidenced by its role in endothelial barrier organization and function. The protein interacts with SLIT2 and ENAH, underscoring its specific engagement with key ligands and associated proteins in the regulation of vascular development and endothelial cell behavior.
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Caution: Product has not been fully validated for medical applications. For research use only.

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