



# Human ROBO2 peptide (DAG-P1118)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the ROBO family, part of the immunoglobulin superfamily of proteins that are highly conserved from fly to human. The encoded protein is a transmembrane receptor for the slit homolog 2 protein and functions in axon guidance and cell migration. Mutations in this gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the immunoglobulin superfamily. ROBO family. Contains 3 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ROBO2 roundabout, axon guidance receptor, homolog 2 (Drosophila) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ROBO2
<b>Synonyms</b>	ROBO2; roundabout, axon guidance receptor, homolog 2 (Drosophila); SAX3; roundabout homolog 2;

<b>Entrez Gene ID</b>	<a href="#">6092</a>
<b>mRNA Refseq</b>	<a href="#">NM_001128929.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001122401.1</a>
<b>UniProt ID</b>	Q9HCK4
<b>Chromosome Location</b>	3p12.3
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Regulation of Commissural axon pathfinding by Slit and Robo, organism-specific biosystem; Signaling by Robo receptor, organism-specific biosystem;
<b>Function</b>	axon guidance receptor activity; axon guidance receptor activity; identical protein binding; protein binding; protein heterodimerization activity;