

# Active Recombinant Human ROBO1 protein, His-Avi-tagged, Biotinylated

Cat. No. ROBO1-042H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human ROBO1 protein(Gln 26 - Pro 897), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln 26 - Pro 897
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Bio-activity</b>	Immobilized Anti-ROBO1 Antibody, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated Human ROBO1, His,Avitag with a linear range of 2-31 ng/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 99.2 kDa. The protein migrates as 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at:

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 45-1 Ramsey Road, Shirley, NY 11967, USA

-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

ROBO1 roundabout, axon guidance receptor, homolog 1 (Drosophila) [ Homo sapiens ]

**Official Symbol**

ROBO1

**Synonyms**

ROBO1; roundabout, axon guidance receptor, homolog 1 (Drosophila); roundabout (axon guidance receptor, Drosophila) homolog 1; roundabout homolog 1; DUTT1; FLJ21882; SAX3; deleted in U twenty twenty; MGC131599; MGC133277;

**Gene ID**

6091

**mRNA Refseq**

NM\_001145845

**Protein Refseq**

NP\_001139317

**MIM**

602430

**UniProt ID**

Q9Y6N7

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