

# Active Recombinant Human ROBO1 protein, His-tagged, FITC-Labeled

Cat. No. ROBO1-0661H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	FITC-Labeled Recombinant Human ROBO1 protein(Gln26-Pro897), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	26-897 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Anti-ROBO1 Antibody, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind FITC-Labeled Human ROBO1, His Tag with a linear range of 0.01-1.25 µg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 97.5 kDa. The protein migrates as 110-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Gln26-Pro897
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

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<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	FITC

## GENE INFORMATION

<b>Gene Name</b>	ROBO1 roundabout, axon guidance receptor, homolog 1 (Drosophila) [ Homo sapiens ]
<b>Official Symbol</b>	ROBO1
<b>Synonyms</b>	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;
<b>Gene ID</b>	6091
<b>mRNA Refseq</b>	NM_001145845
<b>Protein Refseq</b>	NP_001139317
<b>MIM</b>	602430
<b>UniProt ID</b>	Q9Y6N7

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