

# Recombinant Human ROBO4 Protein

Cat. No. ROBO4-834H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human ROBO4 protein without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1007
<b>Description</b>	Predicted to enable cell-cell adhesion mediator activity. Involved in angiogenesis and establishment of endothelial barrier. Located in extracellular exosome. Implicated in aortic valve disease 3.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	48.5 kDa
<b>AA Sequence</b>	<p>MGSGGDSLLGGRGSLPLLLLLIMGGMAQDSPPQILVHPQDQLFQGPGPARMSCQA            SGQPPPTIRWLLNGQPLSMVPPDPHLLPDGTLLLLQPPARGHAHDGQALSTD LGV            YTCEASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPE            PTVSWWWKDGKPLALQPGRHTVSGGSLLMARA EKSDGTYM CVATNSAGHRESRA            ARVSIQEPQDYTEPV ELLAVRIQLENTLLNPDPAEGPKPRPAVWLSWKVSGPAAPA            QSYTALFRTQTAPGGQGAPWAEELLAGWQSAELGGLHWGQDYEFKVRPSSGRAR            GPDSNVLLLRLPEKVPSAPPQEVTLKPGNGTVFVSWVPPAENHNGIIRGYQVWVSL            GNTSLPPANWTVVGEQTQLEIATHMPGSYCVQVA AVTGAGAGEPSRPVCLLLEQA            MERATQEPSEHGPWTLEQLRATLKRPEVIATCGVALWLLLLGTAVCIHRRRRARVHL</p>

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GPGLYRYTSEDAILKHRMDHSDSQWLADTWRSTSGSRDLSSSSSLSSRLGADARD  
 PLDCRRSLLSWDSRSPGVPLLPDTSTFYGSLIAELPSSTPARPSPQVPAVRRLLPPQL  
 AQLSSPCSSSDSLCSRRGLSSPRLSLAPAEAWKAKKKQELQHANSPLLRGSHSLE  
 LRACELGNRGSKNLSQSPGAVPQALVAWRALGPKLLSSSNELVTRHLPAPLPFHE  
 TPPTQSQQTQPPVAPQAPSSILLPAAPIILSPCSPSPQASSLSGSPASSRLSSSS  
 LSSLGEDQDSVLTPEEVALCLELSEGEETPRNSVSPMPRAPSPPTTYGYISVPTASE  
 FTDMGRTGGGVGPKGGVLLCPPRPCLTPTPSEGLANGWGSASEDNAASARASLV  
 SSSDGSFLADAHFARALAVAVDSFGFGLPREADCVFIDASSPPSPRDEIFLTPNLSL  
 PLWEWRPDWLEDMEVSHTQRLGRGMPPWPPDSQISSQRSQLHCRMPKAGASPV  
 DYS

**Purity** > 98%

**Applications** Calcium Flux Assay; WB; ELISA;

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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## GENE INFORMATION

<b>Gene Name</b>	ROBO4 roundabout, axon guidance receptor, homolog 4 (Drosophila) [ Homo sapiens (human) ]
<b>Official Symbol</b>	ROBO4
<b>Synonyms</b>	ROBO4; roundabout, axon guidance receptor, homolog 4 (Drosophila); roundabout homolog 4 (Drosophila); roundabout homolog 4; ECSM4; FLJ20798; magic roundabout; MRB; roundabout homolog 4, magic roundabout; MGC133352; MGC133353;
<b>Gene ID</b>	54538
<b>mRNA Refseq</b>	NM_019055
<b>Protein Refseq</b>	NP_061928
<b>MIM</b>	607528
<b>UniProt ID</b>	Q8WZ75

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