

Recombinant Human ROBO4 Protein

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

SPECIFICATION

Product Overview	Recombinant human ROBO4 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1007
Description	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.
Form	Lyophilized
Molecular Mass	48.5 kDa
AA Sequence	MGSGGDSLLGGRGSLPLLLLLIMGGMAQDSPPQILVHPQDQLFQGPGPARMSCQA SGQPPPTIRWLLNGQPLSMVPPDPHLLPDGTLILLQPPARGHAHDGQALSTD LGV YTCEASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPE PTVSWWKDGKPLALQPGRHTVSGGSLLMARAEKSDEGTYMCMVATNSAGHRESRA ARVSIQEPQDYTEPVELLAVRIQLENTLLNPDPAEGPKPRPAVWLSWKVSGPAAPA QSYTALFRTQTAPGGQGAPWAEELLAGWQSAELGGLHWGQDYEFKVRPSSGRAR GPDSNVLLLRLPEKVPSAPPQEVTLKPGNGTVFVSWVPPPAENHNGIIRGYQVWSL GNTSLPPANWTVVGEQTQLEIATHMPGSYCVQVAAVTGAGAGEPSRPVCLLLEQA MERATQEPSEHGPWTLEQLRATLKRPEVIATCGVALWLLLLGTAVCIHRRRRARVHL

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GPGLYRYTSEDAILKHRMDHSDSQWLADTWRSTSGSRDLSSSSSLSSRLGADARD
 PLDCRRSLLSWDSRSPGVPLLPDTSTFYGSLIAELPSSTPARPSPQVPAVRRLPPQL
 AQLSSPCSSSDSLCSRRGLSSPRLSLAPAEAWKAKKKQELQHANSPLLRGSHSLE
 LRACELGNRGSKNLSQSPGAVPQALVAWRALGPKLLSSSNELVTRHLPPAPLPFHE
 TPPTQSQQTQPPVAPQAPSSILLPAAPIILSPCSPSPQASSLSGPSPASSRLSSSS
 LSSLGEDQDSVLTPEEVALCLELSEGEETPRNSVSPMPRAPSPPTTYGYISVPTASE
 FTDMGRTGGGVGPKGGVLLCPPRPCLTPTPSEGLANGWGSASEDNAASARASLV
 SSSDGSFLADAHFARALAVAVDSFGFGLEPREADCVFIDASSPPSPRDEIFLTPNLSL
 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 H₂O 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

Gene Name	ROBO4 roundabout, axon guidance receptor, homolog 4 (Drosophila) [Homo sapiens (human)]
Official Symbol	ROBO4
Synonyms	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;
Gene ID	54538
mRNA Refseq	NM_019055
Protein Refseq	NP_061928
MIM	607528
UniProt ID	Q8WZ75

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