

Recombinant Human ROBO2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ROBO2-2779H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ROBO2 MS Standard C13 and N15-labeled recombinant protein (NP_001122401) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	152.9 kDa
AA Sequence	MARRHERVTRRMWTWAPGLLMMTVVFWGHQNGQGQGSRLRQEDFPPIRIVEHP SDVIVSKGEPTTLNCKAEGRPPTIEWYKDGERTDKDDPRSHRMLLPSSLSLFFLR IVHGRRSKPDEGSYVCVARNYLGEAVSRNASLEVALLRDDFRQNPTDVVVAAGEPA ILECQPPRGHPPTIYWKDKVRIDDKEERISIRGGKLMISNTRKSDAGMYTCVGTN MVGERDSDPAELTVFERPTFLRRPINQVVLEEEAVEFRCQVQGDQPQPTVRWKKDD ADLPRGRYDIKDDYTLRIKKTMTSTDEGTMCIAENRVGKMEASATLTVRAPPQFVVR

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PRDQIVAQGRTVTFPCETKGNPQPAVFWQKEGSQNLLFPNQPPQPNRCSVSPTG
 DLTITNIQRSDAGYYICQALTVAGSILAKAQLEVTDVLTDRPPPIILQGPPANQTLAVDG
 TALLKCKATGDPLPVISWLKEGFTFPGRDPRATIQEQGTLQIKNLRISDTGTYTCVAT
 SSSGETSWSAVLDVTESGATISKNYDLSDLPGPPSKPQVTDVTKNSTLSWQPGTP
 GTLPASAYIIEAFSQSVSNWQTVANHVKTTLYTVRGLRPNTIYLFMVRAINPQGLSD
 PSPMSDPVRTQDISPPAQGVDRHQVQKELGDVLVRLHNPVLTPTTVQVTVTVDR
 QPQFIQGYRVMYRQTSGLQATSSWQNLDAKVPTERSAVLVNLKKGVTYEIKVRPYF
 NEFQGMDESSEKTVRTTEEAPSAPPQSVTVLTVGSYNSTSSISVSWDPPPPDHQNGIIQ
 EYKIWCLGNETRFHINKTVDAAIRSVIIGGLFPGIQYRVEVAASTSAGVGVKSEPQPIII
 GRRNEVVITENNNSITEQITDVVKQPAFIAGIGGACWVILMGFSIWLYWRRKKRKGLS
 NYAVTFQRGDGGLMSNGSRPGLLNAGDPSYPWLADSWPATSLPVNNSNSGPNEIG
 NFRGRDVLPPVPGQGDKTATMLSDGAIYSSIDFTTKTSYNSSSQITQATPYATTQILH
 SNSIHELAVDLPDPQWKSSIQKTDLMGFGYSLPDQNKGNNGGKGGKKKKKNKNSS
 KPQKNNGSTWANVPLPPPPVQPLPGTELEHYAVEQQENGYSWCPPLPVQTYL
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 ELTRAYQFDIAKQTWHIQSNNQPPQPPVPLGYVSGALISDLETDVADDDADDEEEA
 LEIPRPLRALDQTPGSSMDNLDSSVTGKAFTSSQRPRTSPFSTDSNTSAALSQSQ
 RPRPTKKHKGGGRMDQQPALPHRREGMTDEEALVPYSKPSFSPGGHSSSGTASSK
 GSTGPRKTEVLRAGHQRNASDLLDIGYMGSNSQGQFTGELTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA

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Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ROBO2 roundabout guidance receptor 2 [Homo sapiens (human)]

Official Symbol ROBO2

Synonyms ROBO2; roundabout, axon guidance receptor, homolog 2 (Drosophila); roundabout (axon guidance receptor, Drosophila) homolog 2; roundabout homolog 2; KIAA1568; SAX3;

Gene ID 6092

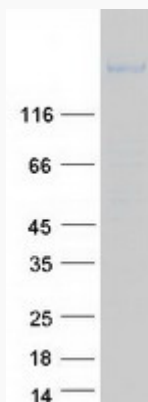
mRNA Refseq NM_001128929

Protein Refseq NP_001122401

MIM 602431

UniProt ID Q9HCK4

SDS-PAGE



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