

Product datasheet for TP326390M

ROBO2 (NM_001128929) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human roundabout, axon guidance receptor, homolog 2 (Drosophila) (ROBO2), transcript variant 1, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC226390 representing NM_001128929
Red=Cloning site Green=Tags(s)

MARRHERVTRRMWTWAPGLLMMTVVFWGHQNGQGQGSRLRQEDFPPRIVEHPSDVIVSKGEPTTLNCKA
 EGRPTPTIEWYKGERVETDKDDPRSHRMLLPSGSLFFLRIVHGRRSKPDEGSYVCVARNYLGEAVSRNA
 SLEVALLRDDFRQNPTDVVVAAGEPAILECQPPRGHPEPTIYWKKDKVRIDDKEERISIRGGKLMISNTR
 KSDAGMYTCVGTNMVGERDSDPAELTVFERPTFLRRPINQVLEEEAVEFRCQVQGDQPQPTVRWKKDDAD
 LPRGRYDIKDDYTLRIKKTMSSTDEGTYMCIAENRVGKMEASATLTVRAPPQFVVRPRDQIVAQGRVTTFP
 CETKGNPQPAVFWQKEGSQNLFPNQPPQNSRCSVSPTGDLTITNIQRSDAGYICQALTAVAGSILAKA
 QLEVTDLTDRPPPIILQGPANQTLAVDGTALLKCKATGDPLPVISWLKEGFTFPRDRPRATIQQEQGTQ
 IKNLRIDTGTYTCVATSSSGETSWSAVLDVTEGATISKNYDLSDLPGPPSKPQVTDVTKNSVTLWSQP
 GTPGTLPASAYIIIEAFSQSVSNWQTVANHVKTLLYTVRGLRPNTIYLFMVRAINPQGLSDPSPMSDPVR
 TQDISPPAQVDHRQVQKELGDVLRVRLHNPVVLTPTTVQVTWTVDRQPQFIQGYRVMYRQTSGLQATSSW
 QNLDAKVPTERSAVLVNLKKGVTYEIKVRPYFNEFQGMDSSEKTVRTTEEAPSAPPQSVTLTVGYSYNT
 SISVSWDPPPPDHQNGIIQEYKIWCLGNETRFHINKTVDAAIRSVIIGGLFPGIQRVEVAASTSAGVGV
 KSEPQPIIIIGRRNEVVITENNNNSITEQITDVVKQPAFIAGIGGACWVILMGFSIWLYWRRKKRKLNSYA
 VTFQRGDGGLMSNGSRPGLLNAGDPSYPWLADSWPATSLPVNNSNSGPNIEGNFGRGDVLPVPGQGDKT
 ATMLSDGAIYSSIDFTTKTSYNSSSQITQATPYATTQILHSNSIHELAVDLPDPQWKSSIQQKTDLMGFG
 YSLPDQNKGNNGGKGGKKNKNSKPKQKNNGSTWANVPLPPPVPQPLPGTELEHYAVEQQENGYDSDSW
 CPPLPVQTYLHQGLEDELEEDDRVPTPPVRGVASSPAISFGQSTATLTPSPREEMQPMQLQAHLDLDELTR
 AYQFDIAKQTWHIQSNNQPPQPPVPLGYVSGALISDLETDVADDDADDEEEALEIPRPLRALDQTPGSS
 MDNLDSSVTGKAFTSSQRPRPTSPFSTDSNTSAALSQSQRPRPTKHKHKGGRMDQQPALPHRREGMTDEEA
 LVPYSKPSFPSPGGHSSSGTASSKGSTGPRKTEVLRAGHQRNASDLLDIGYMGNSQGGFTGEL

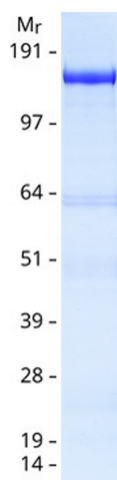
TRRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 152.9 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001122401
Locus ID:	6092
UniProt ID:	Q9HCK4
Cytogenetics:	3p12.3
RefSeq ORF:	4182
Synonyms:	SAX3
Summary:	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. [provided by RefSeq, Feb 2014]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance

Product images:

Coomassie blue staining of purified ROBO2 protein (Cat# [TP326390]). The protein was produced from HEK293T cells transfected with ROBO2 cDNA clone (Cat# [RC226390]) using MegaTran 2.0 (Cat# [TT210002]).