

## Product datasheet for TP324956M

### Insulin Receptor R (INSRR) (NM\_014215) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human insulin receptor-related receptor (INSRR), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC224956 representing NM\_014215  
**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MAVPSLWPWGACLPVIFLSLGFGLDTEVCPSLDIRSEVAELRQLENCVVEGHLQILLMFTATGEDFRG  
 LSFPRLTQVTDYLLFRVYGLESRLDLPNLAIVIRGTRFLGYALVIFEMPHLRDVALPALGAVLRGAVR  
 VEKNQELCHLSTIDWGLLQPAPGANHIVGNKLGEECADVCPGVLGAAGEPCAKTTFSGHTDYRCWTSSHC  
 QRVCPCHGMACTARGECCHECLGGCSQPEDPRACVACRHLVFQGAQLWACPPGTQYQESWRCVTAERC  
 ASLHSPGRASTFGIHQGSCLAQCPSGFTRNSSSIFCHKCEGLCPKECKVGTKTIDSIQAAQDLVGCTHV  
 EGSLILNLRQGYNLEPQLQHSLGLVETITGFLKIKHSFALVSLGFFKNLKLIRGDAMVDGNYTLYVLDNQ  
 NLQQLGSWVAAGLTIPVGKIYFAFNPRLCLEHIYRLEEVTGTRGRQNKAEINPRTNGDRAACQTRTLRFV  
 SNVTEADRILLRWERYEPEARLDSFIVYKESPFQNAHEVGPDACGTQSWNLLDVELPLSRTQEPGV  
 TLASLKPWTQYAVFVRAITLTTEEDSPHQGAQSPIVYLRLTPAAPTVPQDVISTSNSSSHLLVRWKPTQ  
 RNGNLTYLVLWQRLAEDGDLYLNDYCHRLRLPTSNNDRFDGEDGDPEAEMESDCCPCQHPPPGQVLP  
 PLEAQEASFQKKFENFLHNAITIPSPWKVTSINKSPQRDSGRHRAAGPLRLGGNSSDFEIQEDKVPRE  
 RAVLSGLRHFTEYRIDIHACNHAHTVGCSAATFVFARTMPHREADGIPGKVAWEASSKNSVLLRWLEPP  
 DPNGLILKYEIKYRRLGEEATVLCVSRLRYAKFGGVHLALLPPGNYSARVRATSLAGNGSWTDSVAFYIL  
 GPEEDAGGLHVLLTATPVGLTLLIVLAALGFFYGKKRNRTLYASVNPEYFSASDMYVPDEWEVPREQIS  
 IIRELGQGSFGMVYEGLARGLEAGEESTPVALKTVNELASPRECIEFLKEASVMKAFKCHHVRLGVS  
 QGQPTLVIMELMTRGDLKSHLRLRPEAENNPGLPQPALGEMIQMAGEIADGMAYLAANKFVHRDLAARN  
 CMVSQDFTVKIGDFGMTRDVEYETDYRKGKGLLPVRWMAPELKDGIPTTHSDVWSFGVWLWEIVTLAE  
 QPYQGLSNEQVLKFVMDGGVLEELEGCPQLQLQELMSRCWQPNPRLRPSFTHILDSIQEELRPSFRLLSFY  
 YSPECRGARGSLPTTDAEPDSSPTPRDCSPQNGGPGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

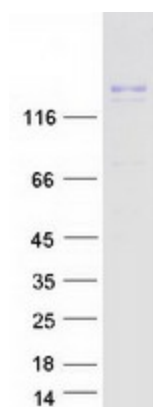
**Tag:** C-Myc/DDK  
**Predicted MW:** 140.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055030</a>
<b>Locus ID:</b>	3645
<b>UniProt ID:</b>	<a href="#">P14616</a>
<b>RefSeq Size:</b>	4148
<b>Cytogenetics:</b>	1q23.1
<b>RefSeq ORF:</b>	3891
<b>Synonyms:</b>	IRR
<b>Summary:</b>	Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB.[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Prostate cancer, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified INSRR protein (Cat# [TP324956]). The protein was produced from HEK293T cells transfected with INSRR cDNA clone (Cat# [RC224956]) using MegaTran 2.0 (Cat# [TT210002]).