

## Product datasheet for **TP321379M**

### CD21 (CR2) (NM\_001877) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human complement component (3d/Epstein Barr virus) receptor 2 (CR2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC221379 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGAAGLLGVFLALVAPGVLGISCGSPPPILNGRISYSTPIAVGTVIRYSCSGTFRLIGEKSLLCITKDK  
VDGTWDKPAKCEYFNKYSSCEPIVPGGYKIRGSTPYRHGDSVTFACKTNFSMNGNKSVMCQANNMWGP  
TRLPTCVSVFPLECPALPMIHNGHHTSENVGSIAPGLSVTYSCESGYLLVGEKIINLSSGKWSAVPPTC  
EEARCKSLGRFPNGKVKEPILRVGVTANFFCDEGYRLQGPPSSRCVIAGQGVAVTKMPVCEEIFCPSPP  
PILNGRHIGNSLANVSYGSIVTYTCDPDPEEGVNFILIGESTLRCTVDSQKTGTWSGPAPRCELSTSAVQ  
CPHPQILRGRMVSGQKDRYTYNDTVIFACMFGFTLKGSQIRCNAGTWEPSAPVCEKECQAPPNINLNGQ  
KEDRHMVRFDPGTSIKYSCNPGYVLVGEESIQTSEGVTWPPVPQCKVAACEATGRQLLTKPQHQFVRPD  
VNSSCGEGYKLSGSVYQECQGTIPWFMEIRLCKEITCPPPPVIYNGAHTGSSLEDFFPYGTTVITYTCNPGP  
ERGVFSLIGESTIRCTSNDQERGTWSGPAPLCKLSLLAVQCASHVHIANGYKISGKEAPYFYNDTVTFKC  
YSGFTLKGNSQIRCKADNTWDPEIPVCEKETCQHVRQSLQELPAGSRVELVNTSCQDGYQLTGAYQMCQ  
DAENGIWFKKIPLCKVIHCHPPPVIYNGKHTGMMAENFLYGNEVSYECDQGFYLLGEKKLQCRSDSKGHG  
SWSGPSPQCLRSPPVTRCPNPEVKHGYKLNKTHSAYSHNDIVYVDCNPGFIMNGSRVIRCHTDNTWVPGV  
PTCIKKAFIGCPPPKTPNGNHTGGNIARFSPGMSILYSCDQGYLLVGEALLLCTHEGTWSQPAPHCKEV  
NCSSPADMDGIQKLEPRKMYQYGAVTLECEDGYMLEGSPQSQSDHQWNPPLAVCRSRSLAPVLCGI  
AAGLILLTFLIVITLYVISKHRERNYYTDSQKEAFHLEAREVYSVDPYNPAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

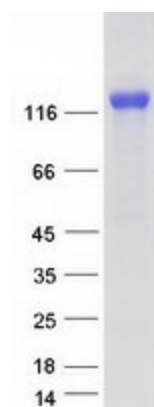
Tag:	C-Myc/DDK
Predicted MW:	111.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<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_001868</a>
<b>Locus ID:</b>	1380
<b>UniProt ID:</b>	<a href="#">P20023</a>
<b>RefSeq Size:</b>	4007
<b>Cytogenetics:</b>	1q32.2
<b>RefSeq ORF:</b>	3099
<b>Synonyms:</b>	C3DR; CD21; CR; CVID7; SLEB9
<b>Summary:</b>	This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	B cell receptor signaling pathway, Complement and coagulation cascades, Hematopoietic cell lineage

### Product images:



Coomassie blue staining of purified CR2 protein (Cat# [TP321379]). The protein was produced from HEK293T cells transfected with CR2 cDNA clone (Cat# [RC221379]) using MegaTran 2.0 (Cat# [TT210002]).