

# RCH

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP314725L

### CD247 (NM\_198053) Human Recombinant Protein

### **Product data:**

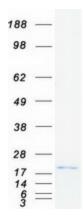
Description:Recombinant protein of human CD247 molecule (CD247), transcript variant 1, 1 mgSpecies:HumanExpression Hos:HEK293TExpression cDNA Clone or AA Sequeue:RC214725 representing NM_198053 RC214725 representing NM_198053 RC2KrewRC214725 representing NM_198053 Clone or AA Sequeue:RC214725 representing NM_198053 RC2KrewRC214725 representing NM_198053 RC2RC214725 representing NM_198053 RC2KrewRC214725 representing NM_198053 VPELVLNGRREEPDVLDKRRGRDPEMGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGL VPELVLNGRREEPDVLDKRRGRDPEMGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGL VPELVLNGRREEPDVLDKRRGRDPEMGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGL VPELVLNGRREEPDVLDKRRGRDPEMGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGLTag:CMW_XCLEEDLAANDILDYKDDDDKVTag:CMy/DDKPredicted MW:1.3 kDaOncentration:>0.50 gu/µL as determined by SDS-PAGE and Coomassie blue stainingPregration:Sem of and scaptured through anti-DDK affinity column followed by conventional chromatography steps.Note:So molinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sore store in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:NP 932170 Clouse JD:Locus ID:920963Mirbor ID:920963KefSeq Size:1677	Product Type:	Recombinant Proteins
Expression Hoss:HEX293TExpression DDNA Conce or AA Sequeue:>RC214725 representing NM_198053 Red=Cloning site Green=Tags(s)Keter Coning site Green=Tags(s)MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSADAPAYQQGQNQ LYNELNGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKDHDAL VQLSTATKDTYDALHMQALPPRTag:RTRPLEQKLISEEDLAANDILDYKDDDDKVYargi Site Green=Tags(s)Yargi Site Green=Tags(s)Tag:C-Myc/DDKPredicted MW:S0.5 µg/µL as determined by microplate BCA methodPortiry:> 0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPurity:S0.5 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPurity:Combinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor combinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Storage:Sor et salorCStorage:Sor et salorCStorage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSer:N 932170Horus Di919Huiper Di:20953	Description:	Recombinant protein of human CD247 molecule (CD247), transcript variant 1, 1 mg
Expression cDNA Concer or AA SequeceRc214725 representing NM_198053 Rcd=Cloning site Green=Tags(s)kRVEALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSADAPAYQQGQNQ LYNELNLGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDDG YQGSTATKDTYDALHMQALPPRTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVYag:C-Myc/DDKPredicted MW:16.3 kDaYourgy:S005 µg/µL as determined by microplate BCA methodPurity:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPurity:S00M as determined by SDS-PAGE and Coomassie blue stainingPurity:S00M in tris-HCI, 100 mM glycine, PH 7.3, 10% glycerolPreparation: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:ND exa 80°C.Stability:Stabe for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 392170Locus ID:919Hurbert ID:20963	Species:	Human
Clone or AA SequeceRed=Cloning site Green=Tags(s)KWKALFTAALQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSADAPAYQQGQNQ LYNELNLGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGL YQGLSTATKDTYDALHMQALPPRTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVFag:C-Myc/DDKPredicted MW:16.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation: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: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 332170Locus ID:919UniProt ID:920963	Expression Host:	HEK293T
LYNELNLGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGHDGL YQGLSTATKDTYDALHMQALPPRTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:16.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:Sc mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation: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 932170Locus ID:919UniProt ID:920963	•	
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Locus ID: 919   UniProt ID: P20963	Stability:	
UniProt ID: <u>P20963</u>	RefSeq:	<u>NP 932170</u>
	Locus ID:	919
RefSeq Size: 1677	UniProt ID:	<u>P20963</u>
	RefSeq Size:	1677



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	CD247 (NM_198053) Human Recombinant Protein – TP314725L
Cytogenetics:	1q24.2
RefSeq ORF:	489
Synonyms:	CD3-ZETA; CD3H; CD3Q; CD3Z; IMD25; T3Z; TCRZ
Summary:	The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families	Druggable Genome, Transmembrane
Protein Pathway	s: Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

## **Product images:**



Coomassie blue staining of purified CD247 protein (Cat# [TP314725]). The protein was produced from HEK293T cells transfected with CD247 cDNA clone (Cat# [RC214725]) using MegaTran 2.0 (Cat# [TT210002]).

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