

## Product datasheet for TP316747

### LRPPRC (NM\_133259) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human leucine-rich PPR-motif containing (LRPPRC), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216747 representing NM_133259 Red=Cloning site Green=Tags(s)

MAALLRSARWLLRAGAAPRLPLSLRLLPGGPGRLLHAASYLPAARAGPVAGLLSPARLYAIAAKEKDIQE  
ESTFSSRKISNQFDWALMRLDLSVRRTGRIPKLLQKVFNDTCRSGGLGGSHALLLRSCGSLPELKLE  
ERTEFAHRIWDTLQKLGAVYDVSHYNALLKVYLQNEYKFSPTDFLAKMEEANIQPNRVTYQRLIASYCNV  
GDIEGASKILGFMKTKDLPVTEAVFSALVTGHARAGDMENAENILTVMRDAGIEPGPDTYLALLNAYA EK  
GDIDHVKQTLEKVEKSELHLMRDLLQIIFFSKAGYPQYVSEILEKVT CERRYIPDAMNLLLVT EKL  
EDVALQILLACPVSKEDGPSVFGSFFLQHCVTMNTPEKLT DYCKKLKEVQMHSFPLQFTLHCALLANKT  
DLAKALMKAVKEEGFPPIRPHYFWPLLVGRRKEKNVQGIIEILKGMQELGVHPDQETYTDYVIPC FDSVNS  
ARAILQENGCLSDSDMFSQAGLRSEAANGNLDFVLSFLKSNLPLISLQSRSSLLGFRRSMNINLWSEI  
TELLYKDGRYCQEPRGPTEAVGYFLYNLIDSMDSSEVQAKEEHLRQYFHQLEKMNVKIPENIYRGIRNLL  
ESYHVP ELIKDAHLLVESKNLDFQKTVQLT SSELESTLET LKAENQPIRDVLKQLILVLCSEENMQKALE  
LKAKYESDMVTGGYAALINLCCRHDKVEDALNLKEEFDRLDSSAVLDTGKYVGLVRVLAKHGK LQDAINI  
LKEMKEKDVLIKDTTALSFFHMLNGAALRGEIETVKQLHEAIVTLGLAEPSTNISFPLVTVHLEKGD LST  
ALEVAIDCYEKYKVLPRIHDLVCKLVEKGETDLIQKAMDFVSQEQGEMVMMLYDLFFAFLQTGN YKEAKKI  
IETPGIRARSARLQWFCDRCVANNQVETLEKLV ELTQKLFECRDQMYYNLLKLYKINGDWQRADAVWNK  
IQEENVIPREKTLRLLAEILREGNQVPPFDVPELWYEDEKHSLN SSSASTTEPDFQKDILIA CRLNQKKG  
AYDIFLNAKEQNIVFNAETYSNLIKLLMSEDYFTQAMEVKAF AETHIKGFTL NDAANSRLIITQVRRDY L  
KEAVTT LKTVLDQQQTPSRLAVTRVIQALAMKGDVENIEVVQKMLNGL EDSIGLSKMVF INNIALAQIKN  
NNIDAAIENIENMLTSENKVI EPQYFGLAYLFRKVI EEQLEPAVEKISIMAERLANQFAIYKPVTDFFLQ  
LVDAGKVDDARALLQRCGAIAEQTPILL LFLLRNSRKQ GKASTVKS VLELIPELNEKEEAYNSLMKSYVS  
EKDV TSAKALYEHLTAKNTKLDLFLKRYASLLKYAGEPVPFIEPPESFEFYAQLRKLRENS S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

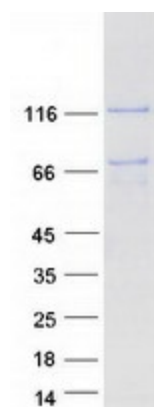
Tag:	C-Myc/DDK
Predicted MW:	157.7 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<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_573566</a>
<b>Locus ID:</b>	10128
<b>UniProt ID:</b>	<a href="#">P42704</a> , <a href="#">E5KNY5</a>
<b>RefSeq Size:</b>	5095
<b>Cytogenetics:</b>	2p21
<b>RefSeq ORF:</b>	4182
<b>Synonyms:</b>	CLONE-23970; GP130; LRP130; LSFC; MC4DN5
<b>Summary:</b>	This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome. [provided by RefSeq, Mar 2012]

### Product images:



Coomassie blue staining of purified LRPPRC protein (Cat# TP316747). The protein was produced from HEK293T cells transfected with LRPPRC cDNA clone (Cat# [RC216747]) using MegaTran 2.0 (Cat# [TT210002]).