

Recombinant Human LRPPRC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LRPPRC-804H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LRPPRC MS Standard C13 and N15-labeled recombinant protein (NP_573566) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	157.7 kDa
AA Sequence	MAALLRSARWLLRAGAAPRLPLSLRLLPGGPGRLLHAASYLPAARAGPVAGGLLSPARLYAIAAKEKDIQEESTFSSRKISNQFDWALMRLDLSVRRTGRIPKLLQKVFNDTCRSGGLGGSHALLLRSCGSLPELKLEERTEFAHRIWDTLQKLGAVYDVSHYNALLKVYLQNEYKFSPTDFLAKMEEANIQPNRVTYQRLIASYCNVGDIEGASKILGFMKTKDLPVTEAVFSALVTGHARAGDMENAENILTVMRDAGIEPGPDTYLALLNAYAEGKDIDHVKQTLEKVEKSELHLMRDLLQIIFSFSKAGYPQYVSEILEKVT CERRYIPDAMNLILLLVTEKLEDVALQILLACPVSKEDGPSVFGSFFLQHCVTMNTPVEKLT DYCKKLKEVQMH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SFPLQFTLHCALLANKTDLAKALMKAVKEEGFPIRPHYFWPLLVGRRKEKNVQGIIEIL
KGMQELGVHPDQETYTDYVIPCFDSVNSARAILQENGCLSDSDMFSQAGLRSEAAAN
GNLDFVLSFLKSNTLPISLQSIRSSLLLGFRRSMNINLWSEITELLYKDGRYCQEPRG
PTEAVGYFLYNLIDSMDSDEVQAKEEHLRQYFHHQLEKMNVKIPENIYRGIRNLLSEYH
VPELIKDAHLLVESKNLDFQKTVQLTSSELESTLET LKAENQPIRDVLKQLILVLCSEE
NMQKALELKAKYESDMVTGGYAALINLCCRHDKVEDALNLKEEFDRLDSSAVLDTG
KYVGLVRVLAKHKGKLQDAINILKEMKEKDVLIKDTTALSFFHMLNGAALRGEIETVKQL
HEAIVTLGLAEPSTNISFPLVT VHLEKGDLSTALEVAIDCYEKYKVLPRIHDLCKLVEK
GETDLIQKAMDFVSQEQGEMVMYLDLFFAFLQTGNYKEAKKIIETPGIRARSARLQW
FCDRCVANNQVETLEKLVELTQKLFECDRDQMYYNLLKLYKINGDWQRADAVWNKI
QEENVIPREKTLRLLAEILREGNQEVFPDVP ELWYEDEKHSLNSSSASTTEPDFQKDI
LIACRLNQKKGAYDIFLNAKEQNIVFNAETYSNLIKLLMSEDYFTQAMEVKAFETHIK
GFTLNDAAANSRLITQVRRDYLKEAVTTLKTVLDQQQTPSRLAVTRVIQALAMKGDVE
NIEVVQKMLNGLED SIGLSKMVFINNIALAQIKNNNIDAAIENIENMLTSENKVIEPQYF
GLAYLFRKVIEEQLEPAVEKISIMAERLANQFAIYKPVTDFFLQLVDAGKVDDARALLQ
RCGAIAEQTPILLFLLRNSRKQGKASTVKS VLELIPELNEKEEAYNSLMKSYVSEKD
VTSAKALYEHLTAKNTKLDDFLKRYASLLKYAGEPVPFIEPPESFEFYAQQRLKLRE
NSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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GENE INFORMATION

Gene Name LRPPRC leucine-rich pentatricopeptide repeat containing [Homo sapiens (human)]

Official Symbol LRPPRC

Synonyms LRPPRC; leucine-rich pentatricopeptide repeat containing; Leigh syndrome, French Canadian type (cytochrome oxidase deficiency), LSFC; leucine-rich PPR motif-containing protein, mitochondrial; GP130; LRP130; LRP 130; 130 kDa leucine-rich protein; leucine-rich PPR-motif containing; mitochondrial leucine-rich PPR motif-containing protein; LSFC; CLONE-23970;

Gene ID 10128

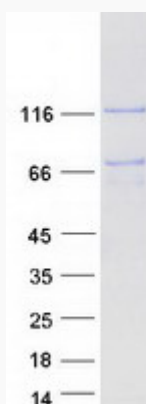
mRNA Refseq NM_133259

Protein Refseq NP_573566

MIM 607544

UniProt ID P42704

SDS-PAGE



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