Recombinant Full Length Human LRPPRC Protein, C-Flag-tagged

Cat. No. LRPPRC-1879HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LRPPRC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	157.7 kDa
AA Sequence	MAALLRSARWLLRAGAAPRLPLSLRLLPGGPGRLHAASYLPAARAGPVAGGLLSPA RLYAIAAKEKDIQE ESTFSSRKISNQFDWALMRLDLSVRRTGRIPKKLLQKVFNDTC RSGGLGGSHALLLLRSCGSLLPELKLE ERTEFAHRIWDTLQKLGAVYDVSHYNALLK VYLQNEYKFSPTDFLAKMEEANIQPNRVTYQRLIASYCNV GDIEGASKILGFMKTKD LPVTEAVFSALVTGHARAGDMENAENILTVMRDAGIEPGPDTYLALLNAYAEK GDID HVKQTLEKVEKSELHLMDRDLLQIIFSFSKAGYPQYVSEILEKVTCERRYIPDAMNLIL

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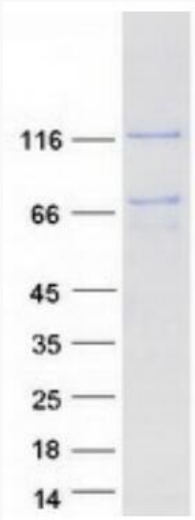
	LLVTEKL EDVALQILLACPVSKEDGPSVFGSFFLQHCVTMNTPVEKLTDYCKKLKEV QMHSFPLQFTLHCALLANKT DLAKALMKAVKEEGFPIRPHYFWPLLVGRRKEKNVQ GIIEILKGMQELGVHPDQETYTDYVIPCFDSVNS ARAILQENGCLSDSDMFSQAGLR SEAANGNLDFVLSFLKSNTLPISLQSIRSSLLLGFRRSMNINLWSEI TELLYKDGRYC QEPRGPTEAVGYFLYNLIDSMSDSEVQAKEEHLRQYFHQLEKMNVKIPENIYRGIRN LL ESYHVPELIKDAHLLVESKNLDFQKTVQLTSSELESTLETLKAENQPIRDVLKQLIL VLCSEENMQKALE LKAKYESDMVTGGYAALINLCCRHDKVEDALNLKEEFDRLDSS AVLDTGKYVGLVRVLAKHGKLQDAINI LKEMKEKDVLIKDTTALSFFHMLNGAALRG EIETVKQLHEAIVTLGLAEPSTNISFPLVTVHLEKGDLST ALEVAIDCYEKYKVLPRIHD VLCKLVEKGETDLIQKAMDFVSQEQGEMVMLYDLFFAFLQTGNYKEAKKI IETPGIR ARSARLQWFCDRCVANNQVETLEKLVELTQKLFECDRDQMYYNLLKLYKINGDWQ RADAVWNK IQEENVIPREKTLRLLAEILREGNQEVPFDVPELWYEDEKHSLNSSSAS TTEPDFQKDILIACRLNQKKG AYDIFLNAKEQNIVFNAETYSNLIKLLMSEDYFTQAM EVKAFAETHIKGFTLNDAANSRLIITQVRRDYL KEAVTTLKTVLDQQQTPSRLAVTRVI QALAMKGDVENIEVVQKMLNGLEDSIGLSKMVFINNIALAQIKN NNIDAAIENIENMLT SENKVIEPQYFGLAYLFRKVIEEQLEPAVEKISIMAERLANQFAIYKPVTDFFLQ LVDA GKVDDARALLQRCGAIAEQTPILLLFLLRNSRKQGKASTVKSVLELIPELNEKEEAYN SLMKSYVS EKDVTSAKALYEHLTAKNTKLDDLFLKRYASLLKYAGEPVPFIEPPESFE FYAQQLRKLRENSS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by

	conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	LRPPRC leucine rich pentatricopeptide repeat containing [Homo sapiens (human)]
Official Symbol	LRPPRC
Synonyms	LSFC; GP130; LRP130; MC4DN5; CLONE-23970
Gene ID	10128
mRNA Refseq	NM_133259.4
Protein Refseq	NP_573566.2
MIM	607544
UniProt ID	P42704

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Coomassie blue staining of purified LRPPRC protein.

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