

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

Cat. No. PACRG-6267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PACRG MS Standard C13 and N15-labeled recombinant protein (NP_001073847) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that is conserved across metazoans. In vertebrates, this gene is linked in a head-to-head arrangement with the adjacent parkin gene, which is associated with autosomal recessive juvenile Parkinson's disease. These genes are co-regulated in various tissues and they share a bi-directional promoter. Both genes are associated with susceptibility to leprosy. The parkin co-regulated gene protein forms a large molecular complex with chaperones, including heat shock proteins 70 and 90, and chaperonin components. This protein is also a component of Lewy bodies in Parkinson's disease patients, and it suppresses unfolded Pael receptor-induced neuronal cell death. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	29.3 kDa
AA Sequence	MVAEKETLSLNKCPDKMPKRTKLLAQQLPVHQP HSLVSEGFTVKAMMKNSVVRG PPAAGAFKERPTKPTAFRKFYERGD FPIALEHDSKGNKIAWKVEIEKLDYHHYLP LFF DGLCEMTFPYEFFARQGIHDMLEHGGNKILPVL PQLIPIKNALNLRNRQVICVTLKVL

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QHLVVS AEMVGKALVPYYRQILPVLNIFKNMNVNSGDGIDYSQQKRENIGDLIQETLE
AFERYGGENAFINIKYVVPTYESCLLNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

GENE INFORMATION

Gene Name PACRG PARK2 co-regulated [Homo sapiens (human)]

Official Symbol PACRG

Synonyms PACRG; PARK2 co-regulated; parkin coregulated gene protein; FLJ32724; Glup; HAK005771; PARK2CRG; parkin co-regulated gene protein; molecular chaperone/chaperonin-binding protein; GLUP; RP3-495O10.2;

Gene ID 135138

mRNA Refseq NM_001080378

Protein Refseq NP_001073847

MIM 608427

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UniProt ID

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