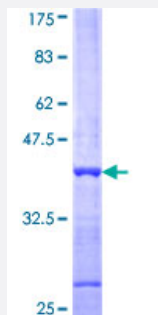


PACRG (Human) Recombinant Protein (Q01)

Catalog # H00135138-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PACRG partial ORF (NP_689623, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVAEKETLSLNKCPDKMPKRTKLLAQQLPVLHQPMSLVSEGFTVKAMMKNSVVRGPPAAGAFKERPTKPTAFRKFYERGFPIALEHDSKGNRIAWKVEIEKLDYHHYLP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PACRG

Entrez GeneID [135138](#)

GeneBank Accession# [NM_152410](#)

Protein Accession# [NP_689623](#)

Gene Name PACRG

Gene Alias FLJ32724, GLUP, HAK005771, PARK2CRG, RP3-495O10.2

Gene Description PARK2 co-regulated

Omim ID [607572 608427](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000017729|OTTHUMP00000017730|molecular chaperone/chaperonin-binding protein|parkin co-regulated gene protein

Disease

- [Genetic Predisposition to Disease](#)

- [Infertility](#)
- [Leprosy](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)