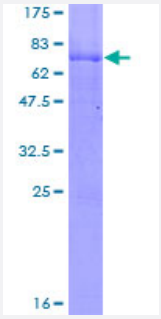
Full-Length

PARK2 (Human) Recombinant Protein (P01)

Catalog # H00005071-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PARK2 full-length ORF (AAH22014.1, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MIVFVRFNSSHGFPVEVDSDTSIFQLKEVVAKRQGVPADQLRVIFAGKELRNDWTVQNCDLDQQ SIVHIVQRPWRKGQEMNATGGDDPRNAAGGCEREPQSLTRVDLSSSVLPGDSVGLAVILHTDSR KDSPPAGSPAGRSIYNSFYVYCKGPCQRVQPGKLRVQCSTCRQATLTLTQGPSCWDDVLIPNRM SGECQSPHCPGTSAEFFFKCGAHPTSDKETSVALHLIATNSRNITCITCTDVRSPVLVFQCNSRHV ICLDCFHLYCVTRLNDRQFVHDPQLGYSLPCVGTGDTVVLRGALGGFRRGVAGCPNSLIKELHHF RILGEEQYNRYQQYGAEECVLQMGGVLCPRPGCGAGLLPEPDQRKVTCEGGNGLGCGYGQRRT K
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	68.8
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 — PARK2

Entrez GeneID	5071
GeneBank Accession#	BC022014.2
Protein Accession#	AAH22014.1
Gene Name	PARK2
Gene Alias	AR-JP, LPRS2, PDJ, PRKN
Gene Description	Parkinson disease (autosomal recessive, juvenile) 2, parkin
Omim ID	211980 600116 602544 604370 607572
Gene Ontology	Hyperlink
Gene Summary	The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for prote asomal degradation. Mutations in this gene are known to cause Parkinson disease and autosom al recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transc ript variants encoding distinct isoforms. Additional splice variants of this gene have been describ ed but currently lack transcript support. [provided by RefSeq
Other Designations	E3 ubiquitin ligase|OTTHUMP00000017565|OTTHUMP00000017566|OTTHUMP00000017567| parkin|parkin 2

Publication Reference

- Levels of 17β-hydroxysteroid dehydrogenase type 10 in CSF are not a valuable biomarker for multiple sclerosis.

  Kristofikova Z, Ricny J, Kaping D, Klaschka J, Kotoucova J, Bartos A.

  Biomarkers in Medicine 2018 Dec; [Epub].

  Application: ELISA, Human, Cerebrospinal fluid from patients with multiple sclerosis

Pathway

- Ubiquitin mediated proteolysis

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Choice Behavior
- Cognition Disorders
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Dystonic Disorders
- Edema
- Essential tremor
- Genetic Predisposition to Disease
- Leprosy
- Movement Disorders
- Nerve Degeneration
- Neuropsychological Tests
- Paratyphoid Fever

- Parkinson disease
- Parkinsonian Disorders
- Pattern Recognition
- Reaction Time
- Supranuclear Palsy
- Tobacco Use Disorder
- Tremor
- Tuberculosis
- Typhoid Fever