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**Product Data Sheet**


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Product Name: PARK2 Human  
 Cat. No.: GP24124  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Parkin RBR E3 Ubiquitin Protein Ligase; Parkinson Juvenile Disease Protein 2; Parkinson Protein 2 E3 Ubiquitin Protein Ligase (Parkin); Parkinson Disease (Autosomal Recessive; Juvenile) 2 Parkin; PRKN; AR-JP; PDJ; E3 Ubiquitin Ligase; LPRS2; EC 6.3.2.-.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MIVFVRFNSS HGFPVEVDSD TSIFQLKEVV AKRQGV PADQ LRVIFAGKEL RNDWTVQNC DLDQQSIVHIV QRPWRKQGEM NATGGDDPRN AAGGCEREPQ SLTRVDLSSS VLPGDSVGLA VILHTDSRKD SPPAGSPAGR SIYNSFYVYC KGPCQRVQPG KLRVQCSTCR QATLTLTQGP SCWDDVLIPN RMSGECQSPH CPGTSAEFFF KCGAHPTSDK ETSVALHLIA TNSRNITCIT CTDVRS PVLV FQCNSRHVIC LDCFHLYCVT RLNDRQFVHD PQLGYSLPCV AGCPNSLIKE LHHFRILGEE QYNRYQQYGA EECVLQMGGV LCPRPGCGAG LLPEPDQRKV TCEGGNGLGC GFAFCRECKE AYHEGECSAV FEASGTTTQA YRVDERAAEQ ARWEAASKET IKKTTKPCPR CHVPVEKNGG CMHMKCPQPQ CRLEWCWNCG CEWNRVCMGD HWFDV		
Formulation	The PARK2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

**Introduction**

PARK2 is an element in a multiprotein E3 ubiquitin ligase complex which mediates the targeting of substrate proteins for proteasomal degradation. PARK2 alterations can result in Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing creates multiple transcript variants encoding distinct isoforms.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

PARK2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 485 amino acids (1-465) and having a molecular mass of 53.8 kDa. PARK2 is fused to a 20 amino acid His-tag at N-terminus.

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