# Recombinant Human PRRT2, His-tagged

**Cat. No.** PRRT2-5035H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human PRRT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | PRRT2 is a transmembrane protein containing a proline-rich domain in its N-terminal half. Studies in mice suggest that it is predominantly expressed in brain and spinal cord in embryonic and postnatal stages. Mutations in this gene are associated with paroxysmal kinesigenic dyskinesia. Almost one third of sporadic PKC patients also carry PRRT2 mutations. |
| **Form** | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT. |
| **Molecular Mass** | 29.7 kDa (291aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher) |
| **AA Sequence** | MGSSHHHHHH SSGLVPRGSH MGSMAASSSE ISEMKGVEES PKVPGEGPGH SEAETGPPQV LAGVPDQPEA PQPGPNTTAA PVDSGPKAGL APETTETPAG ASETAQATDL SLSPGGESKA NCSPEDPCQE TVSKPEVSKE ATADQGSRLE SAAPPEPAPE PAPQPDPRPD SQPTPKPALQ PELPTQEDPT PEILSESVGE KQENGAVVPL QAGDGEEGPA PEPHSPPSKK SPPANGAPPR VLQQLVEEDR MRRAHSGHPG SPRGSLSRHP SSQLAGPGVE GGEGTQKPRD Y |

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| **Purity** | >85% by SDS - PAGE |
| **Applications** | SDS-PAGE |
| **Storage** | Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles. |
| **Concentration** | 0.25 mg/ml (determined by Bradford assay) |

## GENE INFORMATION

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| **Gene Name** | PRRT2 proline-rich transmembrane protein 2 [ Homo sapiens ] |
| **Official Symbol** | PRRT2 |
| **Synonyms** | PRRT2; proline-rich transmembrane protein 2; DKFZp547J199; FLJ25513; IFITMD1; interferon induced transmembrane protein domain containing 1; PKC; EKD1; DYT10; |
| **Gene ID** | 112476 |
| **mRNA Refseq** | NM_001256442 |
| **Protein Refseq** | NP_001243371 |
| **MIM** | 614386 |
| **UniProt ID** | Q7Z6L0 |
| **Chromosome Location** | 16p11.2 |

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