

Recombinant Human PRRT2, His-tagged

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

SPECIFICATION

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 MGSM AASSSE ISEMKGVEES PKVPGEGPGH
 SEAETGPPQV LAGVPDQPEA PQP GPNTTAA PVDSGPKAGL APETTETPAG
 ASETAQATDL SLSPGGESKA NCSPEDPCQE TVSKPEVSKE ATADQGSRL E
 SAAPPEPAPE PAPQDPRPD 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

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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