

Recombinant Human proline-rich transmembrane protein 2, His-tagged

Cat. No. PRRT2-434H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRRT2, 1-268aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-268 a.a.
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. Recombinant human PRRT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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 SGLVPRGSH MGSMAASSSE ISEMKGVEES PKVPGE GPGH SEAETGPPQV LAGVPDQPEA PQPGPNTTAA PVDSGPKAGL APETTETPAG

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ASETAQATDL SLSPGGESKA NCSPEDPCQE TVSKPEVSKE ATADQGSRL
 SAAPPEPAPE PAPQDPRPD SQTPKPALQ PELPTQEDPT PEILSESVGE
 KQENGAVVPL QAGDGEEGPA PEPHSPPSKK SPPANGAPPR VLQQLVEEDR
 MRRAHSGHPG SPRGSLSRHP SSQLAGPGVE GGEGTQKPRD Y

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. 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](#)

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Chromosome	16p11.2
Location	

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