

PRRT2, 1-268aa, Human, His tag, E.coli

Cat.NO.: TP03547

3th Edition

Synonyms:Proline-rich transmembrane protein 2 isoform 3, BFIC2, BFIS2, DSPB3, DYT10, EKD1, ICCA, IFITMD1, PKC

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 Weight:29.7 kDa (291aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMASSEISEMKGVEESPKVPGEGPGHSEAETGPPQVLAGVDPDQPEAPQP
GPNTTAAPVDSGPKAGLAPETTETPAGASETAQATDLSLSPGGESKANCSPEDPCQETVSKPEVSKEATADQGSR
LESAAPPEPAPEPAPQPDPRPDSQPTPKPALQPELPTQEDPTPEILSESVGEKQENGAVVPLQAGDGEEGPPEP
HSPPSKKSPANGAPPRVLQQLVEEDRMRAHSGHPGSPRGSLSRHPSSQLAGPGVEGGEGTQKPRDY

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.