
Product Data Sheet

Product Name: PRRT2 Human
 Cat. No.: GP24233
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proline-Rich Transmembrane Protein 2; Infantile Convulsions And Paroxysmal Choreoathetosis; Dispanin Subfamily B Member 3; DSPB3; BFIC2; BFIS2; DYT10; EKD1; PKC; FICCA; IFITMD1; ICCA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAASSSE ISEMKGVEES PKVPGEGPGH SEAETGPPQV LAGVPDQPEA PQPGPNTTAA PVDSGPKAGL APETTETPAG ASETAQATDL SLSPGGESKA NCSPEDPCQE TVSKPEVSKE ATADQGSRL SAAPPEPAPE PAPQDPRPD SQPTPKPALQ PELPTQEDPT PEILSESVGE KQENGAVVPL QAGDGEEGPA PEPHSPPSKK SPPANGAPPR VLQQLVEEDR MRRAHSGHPG SPRGSLSRHP SSQLAGPGVE GGEGTQKPRD Y.		
Formulation	The PRRT2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

Transmembrane protein PRRT2 holds a proline-rich domain in its N-terminal half. PRRT2 is known to be primarily expressed in brain and spinal cord in embryonic and postnatal stages. Alterations in this gene are the cause for paroxysmal kinesigenic dyskinesia. PRRT2 mutations were found in nearly 30% of sporadic PKC patients.

Stability

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

PRRT2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 291 amino acids (1-268) and having a molecular mass of 29.7 kDa.

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

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PRRT2 is fused to a 23 amino acid His-tag at N-terminus.

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