
Product Data Sheet

Product Name: PPM1D Human

Cat. No.: GP22134

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein phosphatase 1D magnesium-dependent; delta isoform; PPM1D; Protein Phosphatase 1D; PP2C-DELTA; WIP1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MVAFFAVCDG HGGREAAQFA REHFWGFIKK QKGFTSSEPA KVCAAIRKGF LACHLAMWKK LAEWPKTMTG LPSTSGTTAS VVIIRGMKMY VAHVGD SGVV LGIQDDPKDD FVRAVEVTQD HKPELPKERE RIEGLGGSVM NKSGVNRVWV KRPRALTHNGP VRRSTVIDQI PFLAVARALG DLWSYDFFSG EFVVSPEPDT SVHTLDPQKH KYIILGSDGL WNMIPPQDAI SMCQDQEEKK YLMGEHGQSC AKMLVNRALG RWRQRMLRAD N TSAIVICI.		
Formulation	PPM1D protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.		

Introduction

ProteinPhosphatase 1D (PPM1D) belongs to the PP2C family of Ser/Thr proteinphosphatases whose members are negative regulators of cell stress responsepathways. PPM1D is induced by tumor suppressor protein TP53/p53 in response to multipleenvironmental stresses. PPM1D is a negative regulator of the activity of p38MAP kinase through which it reduces the phosphorylation of p53 and suppressesp53-mediated transcription and apoptosis. PPM1D is located in a chromosomal areawhich enlarges in breast cancer.

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

PPM1D Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (98-375a.a.) and having a molecular mass of 33.2kDa. PPM1D is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA