
Product Data Sheet

Product Name: MAD2L1 Human
 Cat. No.: GP23859
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mitotic spindle assembly checkpoint protein MAD2A; HsMAD2; Mitotic arrest deficient 2-like protein 1; MAD2-like protein 1; MAD2L1; MAD2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MALQLSREQG ITLRGS AEIV AEFFSFGINS ILYQRGIYPS ETFTRVQKYG LLLVTTDL E LIKYLNNVVE QLKDWLYKCS VQKLVVVISN IESGEVLERW QFDIECDKTA KDDSAPREKS QKAIQDEIRS VIRQITATVT FLPLLEVSCS FDLIYTDKD LVVPEKWEES GPQFITNSEE VRLRSFTTTI HKVNSMVAYK IPVND.		
Formulation	MAD2L1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

MAD2L1-binding protein (MAD2L1) is a component of the mitotic spindle assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. MAD2L1 is vital for the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate.

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

MAD2L1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-205 a.a.) and having a molecular mass

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

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of 25.7kDa. MAD2L1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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