
Product Data Sheet

Product Name: HMGB2 Human
 Cat. No.: GP23659
 Batch No.: 1

Product Data

Purity	>98%	Source	Baculovirus.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	High mobility group (nonhistone chromosomal) protein B2; h mobility group box 2; HMG2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH TGSMGKGDPN KPRGKMSSYA FFVQTCREEH KKKHPDSSVN FAEFSKKCSE RWKTMSAKEK SKFEDMAKSD KARYDREMKN YVPPKGDKKG KKKDPNAPKR PPSAFFLFCSE EHRPKIKSEH PGLSIGDTAK KLGEMWSEQS AKDKQPYEQK AAKLKEYEK DIAAYRAKGK SEAGKKGPGR PTGSKKKNEP EDEEEEEEEEE DEDEEEDEED EE.		
Formulation	The HMGB2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.		

Introduction

HMGB2 belongs to the non-histone chromosomal high-mobility group protein family which are chromatin-associated and highly spread in the nucleus of higher eukaryotic cells. HMGB2 can successfully bend DNA and form DNA circles which indicates that HMGB2 facilitates cooperative interactions between cis-acting proteins by promoting DNA flexibility. Additionally, HMGB2 takes part in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.

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

HMGB2 Human Recombinant produced in Baculovirus is a single polypeptide chain containing 232 amino acids (1-209) and having a molecular mass of 26.4 kDa. The

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HMGB2 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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