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HMGB3 Protein (AA 2-200) (His tag)



Overview

Quantity:	50 μg
Target:	HMGB3
Protein Characteristics:	AA 2-200
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGB3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human High Mobility Group Protein B3/HMGB3 (C-6His)
Sequence:	MAKGDPKKPK GKMSAYAFFV QTCREEHKKK NPEVPVNFAE FSKKCSERWK TMSGKEKSKF
	DEMAKADKVR YDREMKDYGP AKGGKKKKDP NAPKRPPSGF FLFCSEFRPK IKSTNPGISI
	GDVAKKLGEM WNNLNDSEKQ PYITKAAKLK EKYEKDVADY KSKGKFDGAK GPAKVARKKV
	EEEDEEEEE EEEEEEEDE VDHHHHHH
Characteristics:	Recombinant Human High Mobility Group Protein B3/HMGB3 is produced by our mammalian
	expression system in human cells. The target protein is expressed with sequence (Ala2-Glu200)
	of Human HMGB3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	HMGB3
Alternative Name:	HMGB3 (HMGB3 Products)
Sub Type:	Fusionprotein
Background:	High Mobility Group Protein B3 (HMGB3) belongs to the HMGB family. Members of the HMG
	box subfamily are thought to be have an important role in DNA replication, nucleosome
	assembly and transcription. HMGB3 binds preferentiallly single-stranded DNA and unwinds
	double stranded DNA. HMGB3 consists of 200 amino acids and is localized to the cell nucleus.
	It contains two HMG box DNA-binding domain. HMGB3 binds preferentially single-stranded
	DNA and unwinds double stranded DNA.
	Alternative Names: High Mobility Group Protein B3, High Mobility Group Protein 2a, HMG-2a,
	High Mobility Group Protein 4, HMG-4, HMGB3, HMG2A, HMG4
Molecular Weight:	24 kDa
UniProt:	015347

Application Details

Restrictions:

Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

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