

HMGB3, 1-180aa, Human, His tag, E.coli

Cat.NO.: TP02470

3th Edition

Synonyms:High mobility group protein B3, HMG-2a, HMG-4, HMG2A, HMG4

Description:HMGB3 belongs to the high mobility group (HMG) protein superfamily. Like HMG1 (MIM 163905) and HMG2 (MIM 163906), HMGB3 contains DNA-binding HMG box domains and is classified into the HMG box subfamily. Members of the HMG box subfamily are thought to play a fundamental role in DNA replication, nucleosome assembly and transcription. Recombinant human HMGB3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:22.8kDa (203aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAGDPKPKGKMSAYAFFVQTCREEHKKKNPEVPVNFAEFSKKCSERWK
TMSGKEKSKFDEMAKADKVRDREMKDYGPAKGGKKKDPNAPKRPPSGFFLFCSEFRPKIKSTNPGISIGDVAKK
LGEMWNNLNDSEKQPYITKAAKLKEKYEKDVADYKSKGKFDGAKGPAKVARKKV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.