AscentGene, Inc.

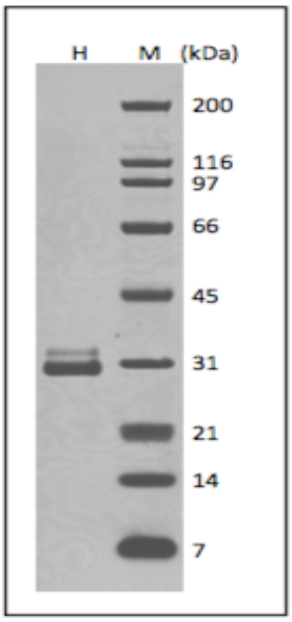
900 Clopper Rode
Suit 130
Gaithersburg, MD 20878

HMG1(Human Recombinant)

Catalog Number	Size
AG256-10	10μg
AG256-25	25μg
AG256-B	Bulk

Specifications and Use

Description



High mobility group 1 (HMG1) is a highly conserved non- sequence-specific DNA-binding nuclear protein. Mammalian HMG1 is composed with two homologous DNA-binding domains HMG boxes, A and B, a short basic region and an acidic C-terminal domain containing 30 consecutive Asp and Glu residues. Recombinant human HMG1 was expressed in E coli and purified by the combination of Ni-affinity and conventional/FPLC chromatography methods to >95% homogeneity. It has been tested for its activity in different assays including in vitro transcription, gel mobility shift assay and TNFα-induction assay.

MGSSHHHHHHSSGLVPRGSHMLEGKGDPKKPRGKMSSY
AFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSA
KEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDP
NAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLG
EMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKP
DAAKKGVVKAEKSKKKKEEEEDEEDEEDEEEEEDEEDE
DEEEDDDDE*

Accession Number	NP_002119
Source	E coli
Molecular Mass	Approximately 30kDa.
Purity	≥95%, as determined by SDS-PAGE.
Biological Activity	Recombinant HMG1 protein is suitable for in vitro transcription, protein-protein and protein-DNA interactions, and other in vitro assays.
Formulation	20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl and 0.5mM EDTA. Sterilized by passing through a 0.2μm filter.
Storage	The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -80°C for three months without detectable loss of activity.
Special Notes	**FOR RESEARCH USE ONLY**