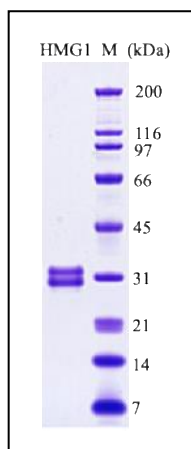


Recombinant HMGB1 Protein

Catalog Number	Size
AG1025-10	10ug
AG1025-25	25ug
AG1025-B	Bulk

Description



The human high mobility group B1 (HMGB1/HMGB1) is a 26 kDa highly conserved non-sequence-specific DNA-binding nuclear protein that was expressed in the E coli system and purified by Ni-affinity column. HMGB1 protein has been implicated in a number of fundamental biological processes including transcription, replication and recombination, in which it plays a role in manipulating DNA structure by bending, looping, compaction or unwinding, or by direct contacts with distinct cellular proteins.

MGSSHHHHHSSGLVPRGSHMGKGDPPKPRGKMSSYAFFVQTCREEHKKKH
PDASVNFSEFSKKCSERWKTMSAKEKGKFEDMAKADKARYEREMKTYIPPK
GETKKKFDPNAPKRPPSAFFLFCSEYRPIKGEHPGLSIGDVAKKLGEMW
NNTAADDKQPYEKKAALKKEYEKDIAAYRAKGKPDAAKKGVVKAESKKK
KEEEEEDEEDEDEEEEEDEEDEDEDEEDDDDE-

Accession Number

NM_002128

Molecular Mass

Approximately 30kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The recombinant HMGB1/HMGB1 protein was purified from the E coli expression system and is suitable for the studies of transcription assays, protein-protein interaction and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!