

## Product datasheet for **TP762387**

### HMG1 (HMGB1) (NM\_002128) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human high mobility group box 1 (HMGB1), full length, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the full length of HMGB1
Tag:	N-His
Predicted MW:	24.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002119</a>
Locus ID:	3146
UniProt ID:	<a href="#">P09429</a> , <a href="#">A0A024RDRO</a> , <a href="#">Q5T7C3</a>
RefSeq Size:	3428
Cytogenetics:	13q12.3
RefSeq ORF:	645
Synonyms:	HMG-1; HMG1; HMG3; SBP-1



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**Summary:**

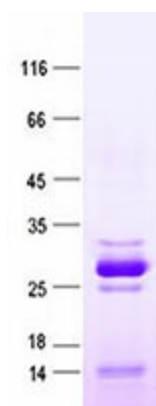
This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:**

Base excision repair

**Product images:**

Purified recombinant protein HMGB1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.