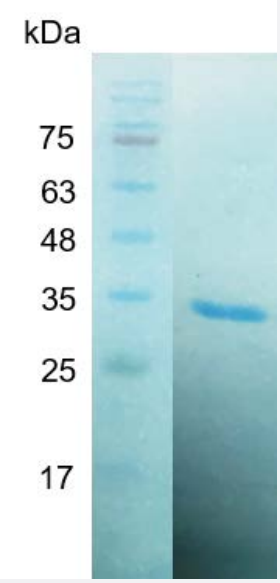
Bioactive

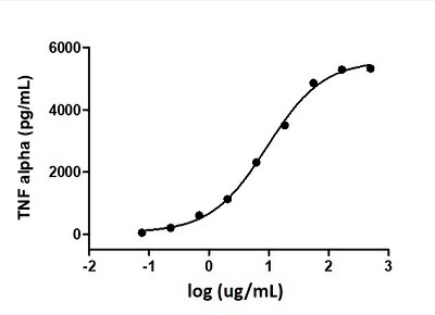
HMGB1 (Human) Recombinant Protein

Catalog # P7831 Size 20 ug

Applications



SDS-PAGE analysis of HMGB1 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human HMGB1 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.
Sequence	MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEEEDEEDEEEEEDEEDEDEEEDDDDE with polyhistidine tag at the C-terminus.

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Host	Escherichia coli
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED_{50} < 10 ug/mL, Measured by the induction of induce TNF alpha in RAW264.7 cells.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of HMGB1 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 8.0. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at-20°C to -80°C. Th is product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — HMGB1

Entrez GeneID	3146
Gene Name	HMGB1
Gene Alias	DKFZp686A04236, HMG1, HMG3, SBP-1
Gene Description	high-mobility group box 1

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Omim ID	163905
Gene Ontology	Hyperlink
Other Designations	Amphoterin|OTTHUMP00000018199|OTTHUMP00000190860|Sulfoglucuronyl carbohydrate binding protein|high mobility group box 1|high mobility group protein 1|high-mobility group (nonhistone chromosomal) protein 1

Pathway

- Base excision repair

Disease

- Bone Marrow Neoplasms
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hematologic Neoplasms
- Puerperal Disorders
- Recurrence
- Sepsis
- Streptococcal Infections
- Systemic Inflammatory Response Syndrome

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