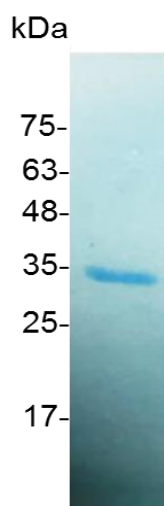


PRODUCT INFORMATION

HMGB1 (High mobility group box 1), Human

Catalog number	C01082-5UG / C01082-20UG / C01082-100UG
Package	5 µg / 20 µg / 100 µg
Description	HMGB1 is present in the nuclei (chromatin associated) and cytoplasm of all cells and is a highly conserved protein in variety of species that. In the cytoplasm, HMGB1 is a regulator of autophagy, enhances cell survival, and limits apoptosis. It also can reduces protein aggregation caused by heat or chemical stress. HMGB1 is released to the extracellular milieu by inflammatory cells and by necrotic and apoptotic cells. Once released, it works as an inflammatory cytokine. HMGB1 is also secreted by macrophages and monocytes as a late response to LPS, TNF- α , IL-1 β , or IFN- γ .
Source	<i>Escherichia coli</i>
Sequence	MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT MSAKEKGFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFL FCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACLKEKEYEK DIAAYRAKGPDAAKKGVVKAEKSKKKKKEEEDEEEDDEEEDEEEDEEEDDEE DDDDE with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce TNF alpha in RAW264.7 cells. The ED ₅₀ for this effect is <10 µg/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human HMGB1

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