

HMGB1/HMG-1/HMG1/HMG3/SBP-1, Human, Recombinant

货号 : PCK271

产品信息

别名 HMG-1, HMG1, HMG3, SBP-1

物种 Human

表达宿主 E.coli

序列信息 MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWK
TMSAKEKGFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPS
AFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKA
LKEKYEKDIAAYRAKGPDAAKKGVVKA EKSKKKKEEEDEEDEDEDE
EDEDEDEEEDDDDE with polyhistidine tag at the C-te

检索号 P09429.3

分子量 25.70 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce TNF alpha in RAW264.7 cells. The ED50 for this effect is <10µg/mL.

产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

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 .

SDS-PAGE

