

Recombinant Human HMGB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1669	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human HMGB1 Protein is produced by our Mammalian expression system and the target gene encoding Gly2-Glu215 is expressed with a 6His tag at the C-terminus.		
Form	Supplied as a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, 1mM DTT, 10% Glycerol, pH 7.4.		
Gene Symbol	HMGB1		
Alternative Names	HMG1; High mobility group protein B1; High mobility group protein 1; HMG-1		
Entrez Gene	3146 (Human)		
SwissProt	P09429 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MGKGDPPKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKA AK LKEYEKDIA AYRAKGKPA AKKGVVKA EK SKKKKEEEEE EDEEDEEEEE EDEEDEEEEE DDDDEV DHHH HHH		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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