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Human (mammalian cell expression) recombinant HMGB2 protein, AF

Catalog Number: PROTP26583-3

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Overview

Product Name	Human (mammalian cell expression) recombinant HMGB2 protein, AF
Description	High Mobility Group protein B2, also known as HMGB2, is a member of the non-histone chromosomal high-mobility group protein family. HMGB2 is expressed 25 kDa containing 209 amino acid residues. The function of HMGB2 is involved in transcription, chromatin remodeling and V(D)J recombination. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles .
Size	5ug,20ug,100ug
Tag	His-SUMO Tag (N-term)
Form	Lyophilized
Source	HEK293 cell
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 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 -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 35.57 kDa. The protein migrates as 35-48 kDa under reducing condition (SDS-PAGE analysis).

Activity

Testing in process

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Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAP KRPPSAFFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKLKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEE EEDEDEEEEDEDEE with polyhistidine-SUMO tag at the N-terminus

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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Usage

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