

Datasheet for ABIN7562434
HMGB3 Protein (AA 1-200) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HMGB3
Protein Characteristics:	AA 1-200
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGB3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Hmgb3 Protein expressed in mammalian cells.
Sequence:	MAKGDPKKPK GKMSAYAFFV QTCREEHKKK NPEVPVNFAE FSKKCSERWK TMSSKEKSKF DEMAKADKVR YDREM KDYGP AKGGKKKKDP NAPKRPPSGF FLCSEFRPK IKSTNPGISI GDVAKKLGEM WNNLSDNEKQ PYVTKAAKLK EKYEKDVADY KSKGKFDGAK GPAKVARKKV EEEEEEEEEE EEEEEEEDE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	HMGB3
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Alternative Name:	Hmgb3 (HMGB3 Products)
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Background:	<p>High mobility group protein B3 (High mobility group protein 2a) (HMG-2a) (High mobility group protein 4) (HMG-4),FUNCTION: Multifunctional protein with various roles in different cellular compartments. May act in a redox sensitive manner. Associates with chromatin and binds DNA with a preference for non-canonical DNA structures such as single-stranded DNA. Can bend DNA and enhance DNA flexibility by looping thus providing a mechanism to promote activities on various gene promoters (By similarity). Proposed to be involved in the innate immune response to nucleic acids by acting as a cytoplasmic promiscuous immunogenic DNA/RNA sensor (PubMed:19890330). Negatively regulates B-cell and myeloid cell differentiation. In hematopoietic stem cells may regulate the balance between self-renewal and differentiation. Involved in negative regulation of canonical Wnt signaling (PubMed:12714519, PubMed:15358624, PubMed:16945912). {ECO:0000250 UniProtKB:P09429, ECO:0000250 UniProtKB:P40618, ECO:0000269 PubMed:12714519, ECO:0000269 PubMed:15358624, ECO:0000269 PubMed:16945912, ECO:0000269 PubMed:19890330}.</p>
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Molecular Weight:	23.0 kDa
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UniProt:	O54879
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Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
