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Product datasheet for TP720309XL

HMG1 (HMGB1) (NM_002128) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human high-mobility group box 1 (HMGB1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Gly2-Glu215
Tag:	C-His
Predicted MW:	25.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	ELISA capture for autoantibodies (PMID: 28862243)
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002119
Locus ID:	3146
UniProt ID:	P09429, A0A024RDR0, Q5T7C3
Cytogenetics:	13q12.3
Synonyms:	HMG-1; HMG1; HMG3; SBP-1
Summary:	This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]

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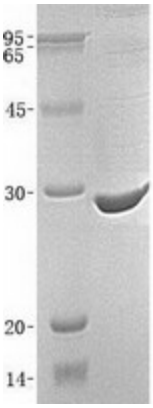
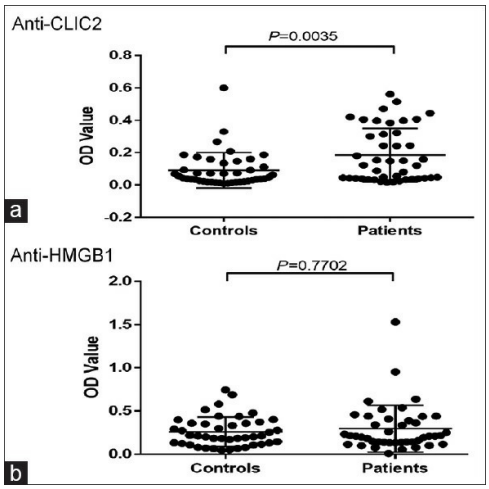
Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Base excision repair

Product images:





Autoantibodies against chloride intracellular channel 2 (CLIC2) and high mobility group box 1 (HMGB1) in sera from systemic lupus erythematosus patients (n = 43) versus healthy controls (n = 43) were detected in ELISA assays with CLIC2 (OriGene [TP304727]) and HMGB1 (OriGene [TP720309]) recombinant proteins. Figure cited from J Postgrad Med, PMID: 28862243