



Recombinant Human High mobility group protein HMG-I/HMG-Y (HMGA1)

Product Code	CSB-BP010545HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17096
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SESSSKSSQ PLASKQEKDG TEKRGRGRPR KQPPVSPGTA LVGSQKEPSE VPTPKRPRGR PKGSKNKGAA KTRKTTTTTPG RKPRGRPKKL EKEEEEGISQ ESSEEEQ
Source	Baculovirus
Target Names	HMGA1
Protein Names	Recommended name: High mobility group protein HMG-I/HMG-Y Short name= HMG-I(Y) Alternative name(s): High mobility group AT-hook protein 1 Short name= High mobility group protein A1 High mobility group protein R
Expression Region	2-107
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.