Recombinant Human Runt-related transcription factor 2 (RUNX2)

Product Code	CSB-EP020594HU-B
Abbreviation	RUNX2
Storage	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.
Uniprot No.	Q13950
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASNSLFSTV TPCQQNFFWD PSTSRRFSPP SSSLQPGKMS DVSPVVAAQQ QQQQQQQQQQ QQQQQQQQQQ QEAAAAAAAA AAAAAAAAAV PRLRPPHDNR TMVEIIADHP AELVRTDSPN FLCSVLPSHW RCNKTLPVAF KVVALGEVPD GTVVTVMAGN DENYSAELRN ASAVMKNQVA RFNDLRFVGR SGRGKSFTLT ITVFTNPPQV ATYHRAIKVT VDGPREPRRH RQKLDDSKPS LFSDRLSDLG RIPHPSMRVG VPPQNPRPSL NSAPSPFNPQ GQSQITDPRQ AQSSPPWSYD QSYPSYLSQM TSPSIHSTTP LSSTRGTGLP AITDVPRRIS DDDTATSDFC LWPSTLSKKS QAGASELGPF SDPRQFPSIS SLTESRFSNP RMHYPATFTY TPPVTSGMSL GMSATTHYHT YLPPPYPGSS QSQSGPFQTS STPYLYYGTS SGSYQFPMVP GGDRSPSRML PPCTTTSNGS TLLNPNLPNQ NDGVDADGSH SSSPTVLNSS GRMDESVWRP Y
Source	E.coli
Target Names	RUNX2
Protein Names	Recommended name: Runt-related transcription factor 2 Alternative name(s): Acute myeloid leukemia 3 protein Core-binding factor subunit alpha-1 Short name= CBF-alpha-1 Oncogene AML-3 Osteoblast-specific transcription factor 2
Expression Region	1-521
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 protein
Target Details	This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Mutations in this gene have been associated with

	the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing.
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.