



# Recombinant Human Runt-related transcription factor 3 (RUNX3)

<b>Product Code</b>	CSB-EP020595HU
<b>Relevance</b>	CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, Ick, IL-3 and GM-CSF promoters. In association with ZFH3, upregulates CDKN1A promoter activity following TGF-beta stimulation (PubMed:20599712).
<b>Abbreviation</b>	Recombinant Human RUNX3 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q13761
<b>Alias</b>	Acute myeloid leukemia 2 protein Core-binding factor subunit alpha-3 Short name:CBF-alpha-3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MRIPVDPSTSRRTFPPSPAFPCGGGGKMGENSGALSAQAAVGPGGRARPE VRSMVDVLADHAGELVRTDSPNFLCSVLPSHWRCNKTLPVAFKVVALGDVPD GTVVTVMAGNDENYSAELRNASAVMKNQVARFNDLRFVGRSGRGKSFTLTIT VFTNPTQVATYHRAIKVTVDGPREPRRHRQKLEDQTKPFPDRFGDLERLRMR VTPSTSPRGSLSTTSHFSSQPQTPIQGTSELNPFSDPRQFDRSFPTLPTLDES RFPDPRMHYPGAMSAAFPYSATPSGTSISSLSVAGMPATSRFHHTYLPPYP GAPQNQSGPFQANPSPYHLYYGTSSGSYQFSMVAGSSSGGDRSPTRMLASC TSSAASVAAGNLMNPSLGGQSDGVEADGSHSNSPTALSTPGRMDEAVWRPY
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	RUNX3
<b>Protein Names</b>	Recommended name: Runt-related transcription factor 3 Alternative name(s): Acute myeloid leukemia 2 protein Core-binding factor subunit alpha-3 Short name= CBF-alpha-3 Oncogene AML-2 Polyomavirus enhancer-binding protein 2 alpha
<b>Expression Region</b>	1-415aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged



---

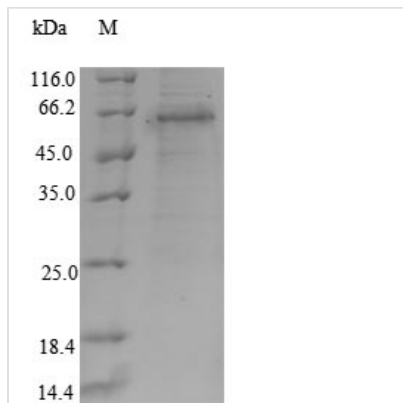
**Mol. Weight** 49.4kDa

---

**Protein Length** Full Length

---

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

---

**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.