

Recombinant Human RUNX1 protein, Arginine-tagged

Cat. No. RUNX1-148H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RUNX1 protein fused with 11 arginine domain at C-terminal, which efficiently delivery protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	RIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDAGAALAGKLRSGDRSMVEVLAD HPGELVRTDSPNFLCSVLP THWRCNKTLPIAFKVVALGDVPDGLVTVMAGNDENY SAELRNATAAMKNQVARFNDLRFVGRSGRGKSFTLTIT VFTNPPQVATYHRAIKITV DGPREPRRHRQKLDDQTKPGSLSFSERLSELEQLRRTAMRVSPHHPAPTPNPRAS L NHSTAFNPQPQSQMQEEDTAPWRCLEESGGGGSPGRRRRRRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for hematopoietic cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

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Gene Name	RUNX1 runt-related transcription factor 1 [Homo sapiens]
Official Symbol	RUNX1
Synonyms	RUNX1; runt-related transcription factor 1; acute myeloid leukemia 1 , AML1, CBFA2; aml1 oncogene; AMLCR1; PEBP2A2; CBF-alpha-2; PEA2-alpha B; PEBP2-alpha B; AML1; CBFA2; EVI-1; PEBP2aB; AML1-EVI-1;
Gene ID	861
mRNA Refseq	NM_001001890
Protein Refseq	NP_001001890
MIM	151385
UniProt ID	Q01196
Chromosome Location	21q22.3
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Pathways in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;
Function	ATP binding; DNA binding; calcium ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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