

Recombinant Human RUNX3, His-tagged

Cat. No. RUNX3-31339TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 53-186 of Human RUNX3 with N terminal His tag; 155 amino acids with tag, MWt 17.1kDa.
Species	Human
Source	E.coli
ProteinLength	134 amino acids
Description	This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5-PYGPYGGT-3 found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	17.100kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MRSMVDVLAD HAGELVRTDS PNFLCSVLPS HWRCNKTLPV AFKVVALGDV PDGTVVTVMA GNDENYSAEL RNASAVMKNQ VARFNDLRFV GRSGRGKSFT LTITVFTNPT QVATYHRAIK VTVDGPREPR RHRQK
Sequence Similarities	Contains 1 Runt domain.

GENE INFORMATION

Gene Name	RUNX3 runt-related transcription factor 3 [Homo sapiens]
Official Symbol	RUNX3
Synonyms	RUNX3; runt-related transcription factor 3; CBFA3; AML2; PEBP2A3;
Gene ID	864
mRNA Refseq	NM_001031680
Protein Refseq	NP_001026850
MIM	600210
Uniprot ID	Q13761
Chromosome	1p36

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Location	
Pathway	Endochondral Ossification, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem;
Function	ATP binding; DNA binding; RNA polymerase II regulatory region sequence-specific DNA binding; protein binding; sequence-specific DNA binding RNA polymerase II transcription factor activity;

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