

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	<p>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.</p>
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 SSSLVPRGSH 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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