Recombinant Human RUNX1

Cat. No. RUNX1-27497TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 210-311 of Human RUNX1 / AML1 with a proprietary tag at N-terminal; predicted MWt 37.22 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	102 amino acids
Description	Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	37.220kDa inclusive of tags
Tissue specificity	Expressed in all tissues examined except brain and heart. Highest levels in thymus, bone marrow and peripheral blood.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RVSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQPSPPWSYDQSYQYLGSI ASPSVHPATPISPGRASGMTTLSAELSSRLSTAPDLTAFSDPRQFP
Sequence Similarities	Contains 1 Runt domain.

GENE INFORMATION

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;
Gene ID	861
mRNA Refseq	NM_001001890
Protein Refseq	NP_001001890
MIM	151385
Uniprot ID	Q01196
Chromosome Location	21q22.3

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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;
Function	ATP binding; DNA binding; DNA binding; calcium ion binding; protein binding;

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