

# Recombinant Human RUNX3 293 Cell Lysate

**Cat. No.** RUNX3-2106HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for runt-related transcription factor 3 (RUNX3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

### Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

**Size** 0.1 mg

### Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Applications**

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

**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; CBF-alpha-3; PEA2 alpha C; PEA2-alpha C; PEBP2 alpha C; PEBP2-alpha C; oncogene AML-2; transcription factor AML2; acute myeloid leukemia gene 2; acute myeloid leukemia 2 protein; core-binding factor subunit alpha-3; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core-binding factor alpha C subunit; core-binding factor, runt domain, alpha subunit 3; polyomavirus enhancer-binding protein 2 alpha C subunit; PEBP2aC; FLJ34510; MGC16070;

**Gene ID**

[864](#)

**mRNA Refseq**

[NM\\_001031680](#)

**Protein Refseq**

[NP\\_001026850](#)

**MIM**

[600210](#)

**UniProt ID**

[Q13761](#)

**Chromosome  
Location**

1p36

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|                 |                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Endochondral Ossification, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem;                                                                                                                                          |
| <b>Function</b> | 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; sequence-specific DNA binding transcription factor activity; |

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