

## Recombinant Human RUNX2 Protein

**Cat. No.** RUNX2-6644H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human RUNX2 protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. Essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, osteocalcin, osteopontin, bone sialoprotein, alpha 1 (I) collagen, LCK, IL-3 and GM-CSF promoters. In osteoblasts, supports transcription activation: synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE). Inhibits KAT6B-dependent transcriptional activation.
<b>Form</b>	Lyophilized powder/frozen liquid
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

 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

<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">RUNX2 runt-related transcription factor 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">RUNX2</a>
<b>Synonyms</b>	RUNX2; runt-related transcription factor 2; CBFA1, CCD, CCD1; AML3; PEBP2A1; PEBP2aA1; CBF-alpha-1; PEA2-alpha A; PEBP2-alpha A; oncogene AML-3; acute myeloid leukemia 3 protein; SL3-3 enhancer factor 1 alpha A subunit; osteoblast-specific transcription factor 2; SL3/AKV core-binding factor alpha A subunit; core-binding factor, runt domain, alpha subunit 1; polyomavirus enhancer-binding protein 2 alpha A subunit; CCD; CCD1; OSF2; CBFA1; OSF-2; PEA2aA; PEBP2A2; PEBP2aA; MGC120022; MGC120023;
<b>Gene ID</b>	<a href="#">860</a>
<b>mRNA Refseq</b>	<a href="#">NM_001015051</a>
<b>Protein Refseq</b>	<a href="#">NP_001015051</a>
<b>MIM</b>	<a href="#">600211</a>
<b>UniProt ID</b>	<a href="#">Q13950</a>

 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