

Recombinant Mouse Runx2 protein, His-tagged

Cat. No. Runx2-5723M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Runx2 aa. (Ser125~Ala352 (Accession # Q08775)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser125~Ala352
Description	This gene encodes a member of the runt domain-containing family of transcription factors. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Runx2 runt related transcription factor 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Runx2
Synonyms	Runx2; runt related transcription factor 2; Cbf; LS3; AML3; Osf2; Cbfa1; Cbfa-1; PEBP2aA; Pebp2a1; Pebpa2a; runt-related transcription factor 2; AKV core binding factor; CBF-alpha-1; PEA2-alpha A; PEBP2 alpha A; SL3-3 enhancer factor 1 alpha A subunit; acute myeloid leukemia 3 protein; core binding factor alpha 1; osteoblast-specific transcription factor 2; polyomavirus enhancer-binding protein 2 alpha A subunit; runt domain, alpha subunit 1
Gene ID	12393

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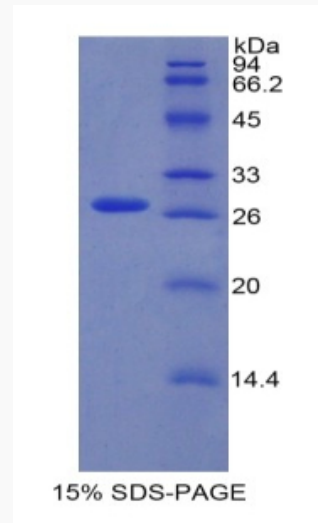
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mRNA Refseq [NM_001146038.2](#)

Protein Refseq [NP_001139510.1](#)

UniProt ID [Q08775](#)

SDS-PAGE



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