

Recombinant Mouse Twist2 Protein, Myc/DDK-tagged

Cat. No. Twist2-6741M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length twist basic helix-loop-helix transcription factor 2 (Twist2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to the E-box consensus sequence 5'-CANNTG-3' as a heterodimer and inhibits transcriptional activation by MYOD1, MYOG, MEF2A and MEF2C. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Involved in postnatal glycogen storage and energy metabolism. Inhibits the premature or ectopic differentiation of preosteoblast cells during osteogenesis, possibly by changing the internal signal transduction response of osteoblasts to external growth factors.
Molecular Mass	18.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Twist2 twist basic helix-loop-helix transcription factor 2 [Mus musculus (house mouse)]

Official Symbol Twist2

Synonyms TWIST2; twist homolog 2 (Drosophila); twist-related protein 2; dermo-1; dermis expressed 1; dermis-expressed protein 1; Dermo1; bHLHa39

Gene ID 13345

mRNA Refseq NM_007855

Protein Refseq NP_031881

UniProt ID Q9D030

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