

Recombinant Human TAL1 Protein, His-tagged

Cat. No. TAL1-2749H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAL1 Protein (Pro29-Arg331) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro29-Arg331
Description	Enables several functions, including DNA-binding transcription factor activity; E-box binding activity; and histone deacetylase binding activity. Involved in several processes, including myeloid cell differentiation; positive regulation of cellular component organization; and positive regulation of erythrocyte differentiation. Located in chromatin and nucleoplasm. Part of transcription regulator complex. Implicated in acute lymphoblastic leukemia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 35 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	TAL1 T-cell acute lymphocytic leukemia 1 [Homo sapiens (human)]
Official Symbol	TAL1
Synonyms	TAL1; T-cell acute lymphocytic leukemia 1; TCL5; T-cell acute lymphocytic leukemia protein 1; bHLHa17; SCL; tal-1 product; stem cell protein; T-cell leukemia/lymphoma protein 5; class A basic helix-loop-helix protein 17; tal-1;
Gene ID	6886
mRNA Refseq	NM_003189
Protein Refseq	NP_003180
MIM	187040

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