Recombinant Human BCL6, His & Trx-tagged

Cat. No. BCL6-252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL6(Met 1-Met 150) fussed with His & Trx tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-150 a.a.
Description	The protein encoded by this gene is an evolutionarily conserved 95-kDa protein containing six C-terminal zinc-finger motifs and an N-terminal POZ domain. It has been reported that BCL-6 is present in DNA-binding complexes in nuclear extracts from various B-cell lines. There are many relationships between non-Hodgkin's lymphoma, diffuse large cell lymphoma and BCL6's translocations. BCL6 can repress transcription from promoters linked to its DNA target sequence and this activity is dependent upon specific DNA-binding and the presence of an intact N-terminal half of the protein.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 10% glycerol, pH 8.0
Molecular Mass	The recombinant human BCL6/Trx fusion protein consisting of 309 amino acids and has a calculated molecular mass of 34.2 kDa. It migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions.

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Purity	> 92 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	BCL6 B-cell CLL/lymphoma 6 [Homo sapiens]
Official Symbol	BCL6
Synonyms	BCL5; LAZ3; BCL6A; ZNF51; ZBTB27; B-cell lymphoma 6 protein; B-cell lymphoma 5 protein; B-cell lymphoma 6 protein transcript; BCL-5; BCL-6; cys-his2 zinc finger transcription factor; lymphoma-associated zinc finger gene on chromosome 3; protein LAZ-3; zinc finger and BTB domain-containing protein 27; zinc finger protein 51; zinc finger transcription factor BCL6S
Gene ID	604
mRNA Refseq	NM_001130845
Protein Refseq	NP_001124317
MIM	109565
UniProt ID	P41182
Chromosome	3q27

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Location	
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; FoxO family signaling, organism-specific biosystem
Function	RNA polymerase II regulatory region sequence-specific DNA binding; chromatin DNA binding; metal ion binding

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