

Tetracycline repressor protein class B from transposon Tn10 (tetR) Recombinant Protein | tetR recombinant protein

Recombinant Escherichia coli Tetracycline repressor protein class B from transposon Tn10 (tetR)

CATALOG # AAA18582	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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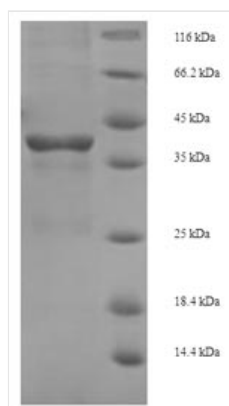
PRODUCT SYNONYMS

Tetracycline repressor protein class B from transposon Tn10 (tetR); Recombinant Escherichia coli Tetracycline repressor protein class B from transposon Tn10 (tetR); tetR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-207aa; Full-Length
Sequence	MSRLDKSKVI NSALELLNEV GIEGLTTRKL AQKLGVEQPT LYWHVKNKRA LLDALAIEML DRHHTHFCPL EGESWQDFLR NNAKSFRCL LSHRDGAKVH LGTRPTEKQY ETLENQLAFL CQQGFSLENA LYALSAVGHF TLGCVLEDQE HQVAKEERET PTTDSMPPLL RQAIELFDHQ GAEP AFLFGL ELIICGLEKQ LKCESGS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for tetR recombinant protein	TetR is the repressor of the tetracycline resistance element; its N-terminal region forms a helix-turn-helix structure and binds DNA. Binding of tetracycline to TetR reduces the repressor affinity for the tetracycline resistance gene (tetA) promoter operator sites.
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References	Nucleotide sequence of the repressor gene of the Tn10 tetracycline resistance determinant.Postle K., Nguyen T.T., Bertrand K.P.Nucleic Acids Res. 12:4849-4863(1984) A threonine to alanine exchange at position 40 of Tet repressor alters the recognition of the sixth base pair of tet operator from GC to AT.Alschmied L., Baumeister R., Pfeleiderer K., Hillen W.EMBO J. 7:4011-4017(1988) Overlapping divergent promoters control expression of Tn10 tetracycline resistance.Bertrand K.P., Postle K., Wray L.V. Jr., Reznikoff W.S.Gene 23:149-156(1983) Mutations in the Tn10 tet repressor that interfere with induction. Location of the tetracycline-binding domain.Smith L.D., Bertrand K.P.J. Mol. Biol. 203:949-959(1988)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	446010750
NCBI GeneID	18157665
NCBI Accession #	WP_000088605.1
NCBI GenBank Nucleotide #	WP_000088605.1
UniProt Accession #	P04483
Molecular Weight	39.4 kDa
NCBI Official Full Name	MULTISPECIES: transposase
NCBI Official Symbol	D616_p109083
NCBI Protein Information	tetracycline repressor protein
UniProt Protein Name	Tetracycline repressor protein class B from transposon Tn10
UniProt Gene Name	tetR
UniProt Entry Name	TETR2_ECOLX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.