

DmTet recombinant protein

Recombinant DmTet (1634-1986, 2601-2708) protein

CATALOG #
AAA60247

HOST
E Coli

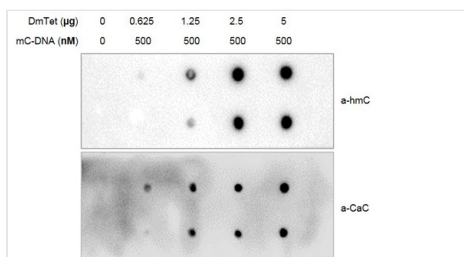
PRODUCT SYNONYMS

DmTet; Recombinant DmTet (1634-1986; 2601-2708) protein; Drosophila melanogaster Tet-likeprotein; DmTet recombinant protein

PRODUCT SPECIFICATIONS

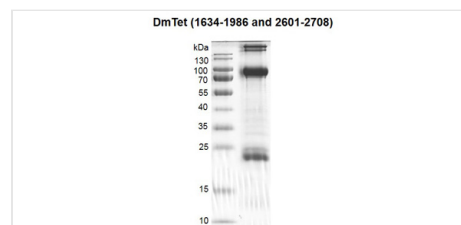
Host	E Coli
Form/Format	Recombinant DmTet (1634-1986 and 2601-2708) protein is supplied in 25mM Tris pH7.4, 300mM NaCl, 10% glycerol, and 0.5mM TCEP.
Protein Species	Drosophila melanogaster
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

Recombinant DmTet (1634-1986, 2601-2708) activity assay 500 nM of 30 nt ssDNA oligos with a 5mCpG site were incubated with 0 ug, 0.625 ug, 1.25 ug, 2.5 ug or 5 ug DmTet (1634-1986 and 2601-2708), respectively, in a 20 ul reaction system at 34 degree C for 1 hour. Sample was concentrated to 10 ul, and 1 ul was spotted onto nylon membrane. Anti-5hmC Ab and anti-5CaC Ab were used to detect products. DmTet (1634-1986 and 2601-2708) activity assay was detected by Dot-Blot.



SDS-PAGE

Recombinant DmTet (1634-1986, 2601-2708) protein 12.5% SDS-PAGE gel with Coomassie blue staining MW: 53.68 kDa Purity: >70%

ADDITIONAL INFORMATION

Related Product Information for DmTet recombinant protein

Background: Ten Eleven Translocation (TET) family proteins are cytosine oxygenases that catalyze the conversion of 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC). 5hmC can be further oxidized into 5-formylcytosine (5fC) and 5-carboxylcytosine (5CaC) by TET proteins. Methylation at the C5 position of cytosine is an epigenetic modification of the mammalian genome that plays an important role in transcriptional regulation. TET proteins are responsible for initiating the enzymatic deamination process leading to cytosine demethylation.

Product Categories/Family for DmTet recombinant protein

[Recombinant Proteins](#); [Histone Methyltransferase \(HMT\)](#)

NCBI AND UNIPROT INFORMATION

Molecular Weight	Molecular weight of DmTet (1634-1986 and 2601-2708) is 53.68kDa
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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.

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Online datasheet: <https://stage.aaabiotech.com/dmtet-recombinant-protein-e-coli/60247>