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Datasheet for ABIN6700691 **TET1 Protein (GST tag)**

Overview

Quantity:	20 µg
Target:	TET1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TET1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	TET1 recombinant protein-GST fusion protein
Purification:	Recombinant human TET1 (1598-end) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	TET1
Alternative Name:	TET1 (TET1 Products)
Background:	Synonyms: bA119F7.1, CXXC6, LCX, Methylcytosine dioxygenase TET1, CXXC-type zinc finger protein 6, Leukemia-associated protein with a CXXC domain, Ten-eleven translocation 1 gene protein

Target Details

Background: TET1 Protein or tet methylcytosine dioxygenase 1 is the original member of a family of methylcytosine dioxygenases that perform several steps required for cytosine demethylation and gene activation (1). TET proteins have potential roles in epigenetic regulation through modification of 5mC to hmC. TET1 plays a main role in modulating DNA methylation levels at CpG-rich promoters and also helps in promoting transcription of pluripotency factors as well as participating in the repression of Polycomb-targeted developmental regulators (2). TET1 Protein is ideal for investigators involved in Signaling Proteins, Methylcytosine Dioxygenase Proteins, Cancer, and Cell Cycle research.

NCBI Accession: [NM_030625](#)

Pathways: [Stem Cell Maintenance](#), [Warburg Effect](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: TET1 Protein is suitable for use in Western Blot. Expect a band approximately ~110 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: TET1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months