



BOSTON
CELLRON

Product Manual

Tet1-human (Full length)

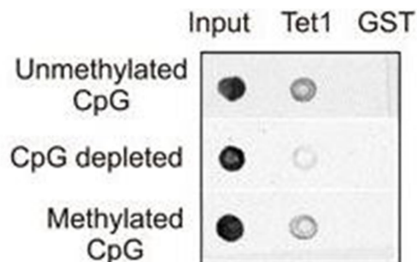
Catalog #	Quantity	Concentration
P1004	50 μ l	1 mg/ml

Alternative name tet methylcytosine dioxygenase 1, Ten-eleven Translocation Gene Protein 1

Description Tet1 protein is a deoxygenase catalyzing the demethylation of modified genomic DNA. Tet1 catalyzes the conversion of the 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC), and mediate the conversion of 5hmC into 5-formylcytosine (5fC), and conversion of 5fC to 5-carboxylcytosine (5caC) subsequentially. The process is the first step of DNA demethylation, and DNA methylation is the key marker of gene silencing. Therefore, Tet1 plays an important role in transcriptional regulation during early embryonic development, tumorigenesis, and maintaining pluripotency of stem cell.

Expressed in
Related biological data

Sf9 cells



Storage Store all components at -20°C

Storage buffer 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM DTT, 300 mM NaCl, and 50% (v/v) Glycerol

Purity \geq 95%, by SDS-PAGE

Note For laboratory research only. Not for clinical applications.

For technical questions, please email us at support@cellron.com or visit our website at www.cellron.com. For bulk order, please contact sales@cellron.com.