

Recombinant Human TET3, GST-tagged

Cat. No. TET3-161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TET3 (724-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	724-end a.a.
Description	TET3 or Tet methylcytosine dioxygenase 3 is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine. TET3 which is a member of the ten-eleven translocation (TET) gene family is involved in myelopoiesis, and defects in TET3 have been associated with several myeloproliferative disorders. TET plays an important role in embryonic stem cell maintenance and inner cell mass cell specification. TET3 play an important role in the DNA methylation process.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~140 kDa
Purity	>70% by densitometry
Applications	Western Blot

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Storage	Store product at –70 centigrade. 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.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	TET3?tet methylcytosine dioxygenase 3 [?Homo sapiens?(human)]
Official Symbol	TET3
Synonyms	TET3; hCG_40738; tet methylcytosine dioxygenase 3; methylcytosine dioxygenase TET3; tet oncogene family member 3; probable methylcytosine dioxygenase TET3; EC 1.14.11.n2
Gene ID	200424
mRNA Refseq	NM_144993
Protein Refseq	?NP_659430
MIM	613555
UniProt ID	O43151
Chromosome Location	2p13.1
Function	metal ion binding; methylcytosine dioxygenase activity; protein binding

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