

## Recombinant Human TET3, GST-tagged

TET3-161H Human

Lot. No. (See product label)

### Specification

<b>Product Overview</b>	Recombinant human TET3 (724-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Description</b>	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.
<b>Source</b>	Sf9 insect cells using baculovirus
<b>Species</b>	Human
<b>Tag</b>	GST
<b>Form</b>	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.
<b>Molecular Mass</b>	~140 kDa
<b>Purity</b>	>70% by densitometry
<b>Applications</b>	Western Blot
<b>Storage</b>	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.
<b>Concentration</b>	0.1 µg/µl

### Gene Information

<b>Gene Name</b>	<a href="#">TET3</a> ? <a href="#">tet methylcytosine dioxygenase 3</a> [ <a href="#">?Homo sapiens?(human)</a> ]
<b>Official Symbol</b>	TET3
<b>Synonyms</b>	TET3; hCG_40738; tet methylcytosine dioxygenase 3; methylcytosine dioxygenase TET3; tet oncogene family member 3; probable methylcytosine dioxygenase TET3; EC 1.14.11.n2
<b>Gene ID</b>	<a href="#">200424</a>
<b>mRNA Refseq</b>	<a href="#">NM_144993</a>
<b>Protein Refseq</b>	<a href="#">?NP_659430</a>

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**MIM** [613555](#)

**UniProt ID** [O43151](#)

**Chromosome  
Location** 2p13.1

**Function** metal ion binding; methylcytosine dioxygenase activity; protein binding

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