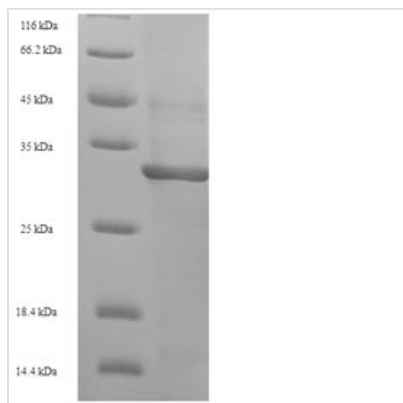




# Recombinant Escherichia coli 8-oxo-dGTP diphosphatase (mutT)

<b>Product Code</b>	CSB-EP357355ENV
<b>Relevance</b>	Involved in the GO system responsible for removing an oxidatively damaged form of guanine (7,8-dihydro-8-oxoguanine) from DNA and the nucleotide pool. 8-oxo-dGTP is inserted opposite dA and dC residues of template DNA with almost equal efficiency thus leading to A.T to G.C transversions. MutT specifically degrades 8-oxo-dGTP to the monophosphate.
<b>Abbreviation</b>	Recombinant E.coli mutT protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P08337
<b>Alias</b>	7,8-dihydro-8-oxoguanine-triphosphatase Mutator protein MutT dGTP pyrophosphohydrolase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MKKLQIAVGIIRNENNEIFITRRAADAHMANKLEFPGGKIEMGETPEQAVVREL QEEVGITPQHFSLEKLEYEFPDRHITLWFWLVERWEGEPWGKEGQPGEWM SLVGLNADDFPPANEPVIAKLR
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	mutT
<b>Protein Names</b>	Recommended name: 8-oxo-dGTP diphosphatase Short name= 8-oxo-dGTPase EC= 3.6.1.55 Alternative name(s): 7,8-dihydro-8-oxoguanine-triphosphatase Mutator protein MutT dGTP pyrophosphohydrolase
<b>Expression Region</b>	1-129aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	30.9kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.