

## 32-7110: Recombinant Human N-Glycosylase/OGG1 (N-GST)

**Gene :** OGG1  
**Gene ID :** 4968  
**Uniprot ID :** O15527

### Description

Source: E.coli.  
MW :65.07kD.

Recombinant Human N-Glycosylase is produced by our E.coli expression system and the target gene encoding Met1-Gly345 is expressed with a GST tag at the N-terminus. Human N-Glycosylase/DNA Lyase is a DNA repair enzyme, which incises DNA at 8-oxoG residues, and excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damage DNA. DGG1 has a beta-lyase activity that nicks DNA 3' to the lesion.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 1mM EDTA, 50% Glycerol, pH 7.8.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKTQSMAIIRYIA  
DKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRIAYSKDFETLKVDLFLSKLPEMLKMFEDRLCHKTYLNGDHVTH  
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPR  
GSMPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVLPSPGQSFWRREQSPAHWSGVLADQVWTLTQTE  
EQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYHHWGSVDSHFQEVAQKFQGVRLLRQDPIECLFS  
FICSSNNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPQLALAGPEVEAHLRKLGLGYRARYVSASARAILEE  
QGGLAWLQQLRESSYEEAHKALCILPGVGTQVADICLMALDKPQAVPVDVHMWHIAQRDYSWHPTTSQAKG  
PSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQSRHAQEPPAKRRRKGSKGPEG

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.