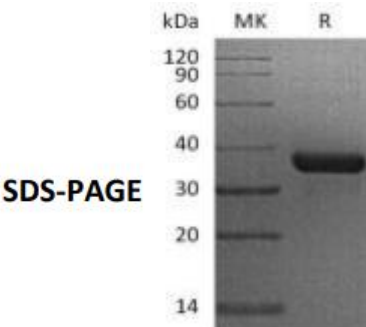


## Recombinant Human OGG1

Catalog#:P01244 Derived from *E.coli*

<b>DESCRIPTION</b>	<p>Recombinant Human N-Glycosylase is produced by our E.coli expression system and the target gene encoding Met1-Gly345 is expressed.</p> <p><b>Accession#:</b> AAH00657.1</p> <p><b>Known as:</b> N-Glycosylase/DNA Lyase; 8-Oxoguanine DNA Glycosylase; DNA-(Apurinic or Apyrimidinic Site) Lyase; AP Lyase; OGG1; MMH; MUTM; OGH1</p>
<b>FORMULATION</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM EDTA, pH 8.5.
<b>SHIPPING</b>	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Store at ≤-70°C, stable for 6 months after receipt.</p> <p>Store at ≤-70°C, stable for 3 months under sterile conditions after opening.</p> <p>Please minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p><b>Mol Mass:</b>38.8kDa <b>AP Mol Mass:</b>38kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>Human N-Glycosylase/DNA Lyase(OOG1) is a DNA repair enzyme, which belongs to the type-1 OGG1 family. OOG1 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. It has a β-lyase activity that nicks DNA 3' to the lesion. OOG1 together with APEX1 is recruited to nuclear speckles in UVA-irradiated cells. The OGG1 gene mutations may be caused Renal cell carcinoma.</p>
 <p><b>SDS-PAGE</b></p> <p>kDa MK R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>14</p>	