

8-Oxoguanine DNA Glycosylase Human Recombinant

Item Number	rAP-1134
Synonyms	HMMH, HOGG1, MUTM, OGH1, AP lyase.
Description	OGG1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 368 amino acids (1-345 a.a.) and having a molecular mass of 41.2 kDa. The OGG1 is fused to 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	O15527
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH TGSMPARALL PRRMGHRTLA STPALWASIP CPRSELRLDL VLPSGQSFRW REQSPAHWSG VLADQVWTLT QTEEQLHCTV YRGDKSQASR PTPDELEAVR KYFQLDVTLA QLYHHWGSVD SHFQEVAQKF QGVRLLRQDP IECLFSFICS SNNNIARITG MVER-LCQAFG PRLIQLDDVT YHGFPSLQAL AGPEVEAHLR KLGLGYRARY VSASARAILE EQGGLAWLQQ LRESSYEEAH KALCILPGVG TKVADCICLM ALDKPQAVPV DVHMWHIAQRDYSWHPTTSQ AKGP-SPQTNK ELGNFFRSLW GPYAGWAQAV LFSADLRQCR HAQEPPAKRRKGSKPEG.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colourless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	0.5mg/ml solution containing 20mM Tris-HCl buffer pH-8, 0.1M NaCl and 40% Glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**