

# CHAMOT

**重组人8-氧鸟嘌呤DNA糖基化酶 /Recombinant  
OGG1, Human**

**CM180-5HP**

**CM180-20HP**

**CM180-100HP**

**CM180-500HP**

**CM180-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*



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## 重组人8-氧鸟嘌呤DNA糖基化酶 /Recombinant OGG1, Human

产品编号	CM180-5HP	CM180-20HP	CM180-100HP	CM180-500HP	CM180-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

**背景描述** 8-oxoguanine DNA glycosylase-1 (OGG1) is a major DNA glycosylase that plays a critical role in n base-excision repair (BER) of oxidative DNA damage to nuclear and mitochondrial DNA (mtDNA) to remove 7,8-dihydro-8-oxo-2'-deoxyguanosine (8-OH-dG). OGG1 is a 38.8 kDa protein containing 52 amino acid it found in bacterial, archaeal and eukaryotic species. OGG1 in DNA causes G:C to T:A transversions and, therefore, it could be responsible for mutations that lead to carcinogenesis.

**别称** 8-oxoguanine DNA glycosylase, Human, HMMH, MUTM, OGH1, HOGG1

**蛋白编码** O15527

**分子量** The protein has a calculated MW of 39.61 kDa. The protein migrates as 40 kDa under reducing condition (SDS-PAGE analysis).

**表达系统** Escherichia coli

**纯度** >98% as determined by SDS-PAGE.

**生物活性** Testing in process

**内毒素检测** <0.1 EU per 1 µg of the protein by the LAL method.

**蛋白序列** MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPSSGQSFRWREQSPAHWSGVLADQ VWTLTQTEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYHHWGSVD SHFQEVA QKFQGVRLLRQDPIECLEFSFICSSNNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPSLQALA GPEVEAHLRLKGLGYRARYVSASARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVAD CICALMALDKPQAVPVDVHMHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAG WAQAVLFSADLRQCRHAQEPPAKRRKGSGKPEG with polyhistidine tag at the C-terminus

**产品形式** The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

**产品应用** Cell Culture

## 产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

### 2.Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H<sub>2</sub>O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

### 3.Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

## 产品储存/运输

**Lyophilized Protein:** Store at -20°C for 1 year.

### 储存

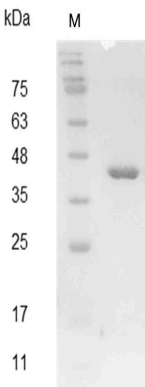
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

### 运输

Blue Ice

## 实验数据展示



For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491