

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 QKFQGVRLLRQDPIECLEFSICSSNNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPSLQALA 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 H₂O 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

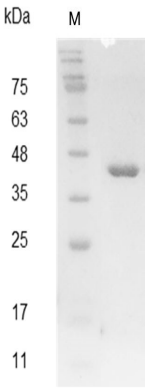
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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

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