

Product Datasheet

Recombinant Human OGG1 His Protein NBP1-45318-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-45318-0.1mg

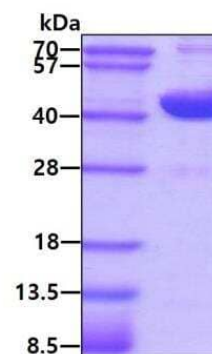
Recombinant Human OGG1 His Protein

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	PBS (pH 7.4), 40% glycerol
Target Molecular Weight	41.2 kDa
Product Description	
Description	A recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-345 of Human OGG1 Source: <i>E.coli</i> Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH TGSMPARALL PRRMGHRTLA STPALWASIP CPRSELRLDL VLP SGQSFRW REQSPAHSWG VLADQVWTLT QTEEQHLCTV YRGDKSQASR PTPDELEAVR KYFQLDVTLA QLYHHWGSVD SHFQEVAQKF QGVRLLRQDP IECLFSFICS SNNNIARITG MVERLCQAFG PRLIQLDDVT YHGFPSLQAL AGPEVEAHLR KLGLGYRARY VSASARAILE EQGGLAWLQQ LRESSYEEAH KALCILPGVG TKVADCICLM ALDKPQAVPV DVHMMWHIAQRDYSWHPTTSQ AKGPSPQTNK ELGNFFRSLW GPYAGWAQAV LFSADLRQCR HAQEPPAKRR KGSKGPEG
Gene ID	4968
Gene Symbol	OGG1
Species	Human
Details of Functionality	Glycerol inhibits binding affinity to Ni-NTA beads in immunoprecipitation.
Product Application Details	
Applications	SDS-Page
Recommended Dilutions	SDS-Page
Application Notes	Use in In vitro assay reported in scientific literature (PMID 24489103).



Images

SDS-Page: Recombinant Human OGG1 His Protein [NBP1-45318] - 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.



Publications

Fouquerel E, Barnes RP, Uttam S et al. Targeted and Persistent 8-Oxoguanine Base Damage at Telomeres Promotes Telomere Loss and Crisis Mol. Cell 2019-05-10 [PMID: 31101499]

Brandon C Wysong, P Logan Schuck, Madhumita Sridharan, Sophie Carrison, Yuichihiro Murakami, Lata Balakrishnan, Jason A Stewart Human CST Stimulates Base Excision Repair to Prevent the Accumulation of Oxidative DNA Damage. Journal of molecular biology 2024-06-20 [PMID: 38908783]

Lang Pan, Wenjing Hao, Yaoyao Xue, Ke Wang, Xu Zheng, Jixian Luo, Xueqing Ba, Yang Xiang, Xiaoqun Qin, Jesper Bergwik, Lloyd Tanner, Arne Egesten, Allan R Brasier, Istvan Boldogh 8-Oxoguanine targeted by 8-oxoguanine DNA glycosylase 1 (OGG1) is central to fibrogenic gene activation upon lung injury Nucleic Acids Research 2023-02-22 [PMID: 36651270]

Baljinnyam T, Conrad JW, Sowers ML et al. Characterization of a Novel Thermostable DNA Lyase Used To Prepare DNA for Next-Generation Sequencing Chemical research in toxicology 2023-01-16 [PMID: 36647573] (EnzAct, Human)

Hsu CW, Conrad JW, Sowers ML et al. A combinatorial system to examine the enzymatic repair of multiply damaged DNA substrates Nucleic acids research 2022-07-22 [PMID: 35776119] (EnzAct, Human)

Jang S, Kumar N, Beckwitt EC et al. Damage sensor role of UV-DDB during base excision repair Nat. Struct. Mol. Biol. 2019-07-22 [PMID: 31332353] (Human)

Aguilera-Aguirre L, Hao W, Pan L et al. Pollen-induced oxidative DNA damage response regulates miRNAs controlling allergic inflammation Am. J. Physiol. Lung Cell Mol. Physiol. 2017-08-10 [PMID: 28798252] (Human)

Ba X, Bacsı A, Luo J et al. 8-oxoguanine DNA glycosylase-1 augments proinflammatory gene expression by facilitating the recruitment of site-specific transcription factors. J Immunol. 2014-03-01 [PMID: 24489103] (In vitro)

Hajas G, Bacsı A, Aguilera-Aguirre L et al. 8-Oxoguanine DNA glycosylase-1 links DNA repair to cellular signaling via the activation of the small GTPase Rac1. Free Radic Biol Med 2013-04-20 [PMID: 23612479] (ELISA)



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Products Related to NBP1-45318-0.1mg

NB100-106PEP	OGG1 Antibody Blocking Peptide
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NB100-106	OGG1 Antibody - BSA Free
NB200-103	p53 Antibody (PAb 240) - BSA Free

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