

32-6865: OGG1 Mouse

Alternative Name : HMMH, HOGG1, MUTM, OGH1, AP lyase, OGG1, 8-Oxoguanine DNA Glycosylase, OGG1.

Description

Source: Escherichia Coli.

Sterile filtered colourless solution.

OGG1 is a DNA glycosylase enzyme which takes part in base excision repair. OGG1 protein is the main enzyme accountable for the excision of 7,8-dihydro-8-oxoguanine (8-oxoG), a mutagenic base byproduct which arises as a result of exposure to reactive oxygen species (ROS). OGG1 shows beta lyase activity that nicks DNA 3' to the lesion.

OGG1 Mouse Recombinant 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 41.3kDa. OGG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.Â

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : OGG1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4) and 30% glycerol.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMLFRSWL PSSMRHRTLSSSPALWASIP CPRSELRLDL
VLASGQSFRW KEQSPAHWSG VLADQVWTLT QTEDQLYCTV YRGDDSQVSR PTLEELETLH
KYFQLDVSLA QLYSHWASVD SHFQ RVAQKF QGVRLLRQDP TECLFSFICS SNNNIARITG MVERLCQAFG
PRLIQLDDVT YHGFPNLHAL AGPEAETHLR KLGLGYRARY VRASAKAILE EQGPAWLQQ LRVAPYEEAH
KALCTLPVG AKVADCICLM ALDKPQAVPV DVHVWQIAHR DYGWHPKTSQ AKGPSPLANK
ELGNFFRNLW GPYAGWAQAV LFSADLRQPS LSREPPAKRK KGSKRPEG.