

UNG Antibody

Uracil DNA Glycosylase, Mouse Anti Human
ABM0680

Product Overview

Name UNG Antibody

Description

Uracil DNA Glycosylase, Mouse Anti Human

Synonyms

UDG, b2580, JW2564, EC 3.2.2.27, DGU, UNG15, HIGM5, Uracil-DNA Glycosylase 1, EC 3.2.2, HIGM4, UNG2.

Introduction

UNG is a member of the Uracil-DNA glycosylase family. One of his functions is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases are formed as a result of cytosine deamination or misincorporation of dUMP residues. After a mutation is formed, the mutagenic threat of uracil propagates through any subsequent DNA replication steps. Among the diseases associated with UNG are: congenital rubella, and immunodeficiency with hyper igm type 4.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

UNG protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MGS MANELTW HDVLAEEKQQ PYFLNLTQTV ASERQSGVTI YPPQKDFVNA
FRFTELGDKV VVILGQDPYH GPGQAHGLAF SVRPGIAIPP SLLNMYKELE NTIPGFTRPN HGYLESWARQ
GVLLNNTVLT VRAGQAHA SHA SLGWETFTDK VISLINQHRE GVVFLWWSH AQKKGAIIDK QRHHVVKAPH
PSPLSAHRGF FGCNHFVLAN QWLEQRGETP IDWMPVLP AE SE

Precautions

UNG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.