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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DUT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001854-T01

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

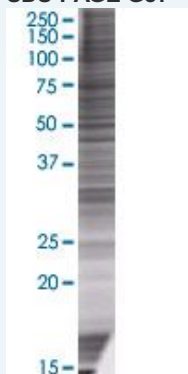
Plasmid: pCMV-DUT full-length

Host: Human

Theoretical MW (kDa): 26.6

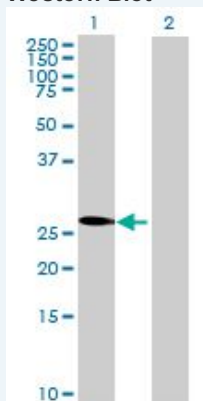
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-DUT antibody (H00001854-B01) by Western Blots.

SDS-PAGE Gel



DUT transfected lysate.

Western Blot



Lane 1: DUT transfected lysate (26.6 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Western Blot

Gene Information

Entrez GeneID: [1854](#)

GeneBank Accession#: [NM_001025248](#)

Protein Accession#: [NP_001020419](#)

Gene Name: DUT

Gene Alias: FLJ20622,dUTPase

Gene Description: deoxyuridine triphosphatase

Omim ID: [601266](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes an essential enzyme of nucleotide metabolism. The encoded protein forms a ubiquitous, homotetrameric enzyme that hydrolyzes dUTP to dUMP and pyrophosphate. This reaction serves two cellular purposes: providing a precursor (dUMP) for the synthesis of thymine nucleotides needed for DNA replication, and limiting intracellular pools of dUTP. Elevated levels of dUTP lead to increased incorporation of uracil into DNA, which induces extensive excision repair mediated by uracil glycosylase. This repair process, resulting in the removal and reincorporation of dUTP, is self-defeating and leads to DNA fragmentation and cell death. Alternative splicing of this gene leads to different isoforms that localize to either the mitochondrion or nucleus. A related pseudogene is located on chromosome 19. [provided by RefSeq]

Other Designations: dUTP nucleotidohydrolase,dUTP pyrophosphatase,deoxyuridine 5'-triphosphate nucleotidohydrolase

Gene Pathway

[Metabolic pathways](#) [Pyrimidine metabolism](#)

Related Disease

[DNA Damage](#) [Genetic Predisposition to Disease](#)