Recombinant Rat Dut protein, His-tagged

Dut-1979R Rat(Dut)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Recombinant Rat Dut fused with His tag was expressed in HEK293.
Description	Dut played an important role in many functions.
Source	HEK293
Species	Rat
Tag	His
Form	PBS buffer, pH 7.4.
Molecular Mass	(Theoretical molecular weight) ~19 kDa
Endotoxin	< 0.1EU per μg of the protein as determined by the LAL method.
Purity	> 90% determined by SDS-PAGE

PACKAGING

Storage	Please prepare aliquots and store at -20 ~ -80 °C. Avoid freeze/thaw cycles.
Concentration	0.3mg/mL

GENE INFORMATION

Gene Name	Dut deoxyuridine triphosphatase [Rattus norvegicus]
Official Symbol	Dut
Synonyms	DUT; deoxyuridine triphosphatase; deoxyuridine 5-triphosphate nucleotidohydrolase; dUTPase; dUTP pyrophosphatase; PPAR-interacting protein 4; Dutp; PIP4;
GeneID	497778
mRNA Refseq	NM_001040271
Protein Refseq	NP_001035361
UniProt ID	P70583
Chromosome Location	3q36
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine biosynthesis, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;
Function	dUTP diphosphatase activity; dUTP diphosphatase activity; hydrolase activity; metal ion binding; peroxisome proliferator activated receptor binding; pyrimidine deoxyribonucleotide binding; receptor inhibitor activity;

REFERENCES

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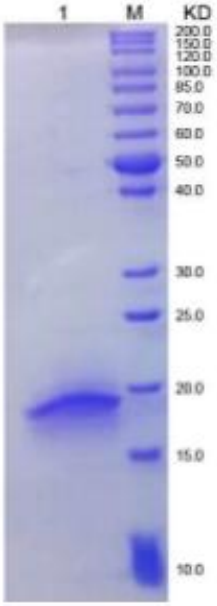
1. Identification of candidate growth-regulating genes that are overexpressed in late gestation fetal liver in the rat. Gruppuso PA, et al. Biochim Biophys Acta, 2000 Dec 1.
2. Purification and characterization of deoxyuridine triphosphate nucleotidohydrolase from anemic rat spleen: a trimer composition of the enzyme protein. Hokari S, et al. Arch Biochem Biophys, 1987 Mar.
3. Deoxyuridine triphosphate nucleotidohydrolase activity and its correlation with multiplication of erythroid cells in rat spleen. Hokari S, et al. Biochem Int, 1987 May.

IMAGES



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