

Recombinant Human DBR1, His-tagged

Cat. No. DBR1-2340H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DBR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	340aa
Description	DBR1 is an RNA lariat debranching enzyme that hydrolyzes 2"-5" prime branched phosphodiester bonds. The encoded protein specifically targets the bonds at the branch point of excised lariat intron RNA, converting them to linear molecules that are then degraded. This protein may also be involved in retroviral replication.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	38 kDa (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHVKFAAL MQHQAQDKGQ TARATKFLAL DKCLPHRDFL QILEIEHDPS APDYLEYDIE WLTILRATDDLINVTGRLWN MPENNGLHAR WDYSATEEGM KEVLEKLNHD LKVPCNFSVT AACYDPSKPQ TQMQLIHRIN PQTTEFCAQL GIIDINVRLQ KSKEEHHVCG EYEEQDDVES NDSGEDQSEY NTDTSALSSI NPDEIMLDEE EDEDSIVSAH SGMNTPSVEP SDQASEFSAS FSDVRILPGSMIVSSDDTVD STIDREGKPG GTVESGNGED

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTKVPLKRLS DEHEPEQRKK IKRRNQAIYA AVDDDDDDAA

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [DBR1 debranching enzyme homolog 1 \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol DBR1

Synonyms DBR1; debranching enzyme homolog 1 (S. cerevisiae); debranching enzyme (S. Cerevisiae) homolog 1; lariat debranching enzyme; RNA lariat debranching enzyme;

Gene ID [51163](#)

mRNA Refseq [NM_016216](#)

Protein Refseq [NP_057300](#)

MIM [607024](#)

UniProt ID [Q9UK59](#)

Chromosome Location 3q22.3

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Function

RNA lariat debranching enzyme activity; hydrolase activity, acting on ester bonds;
metal ion binding;

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