9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DBR1 Human

Debranching RNA Lariats 1 Human Recombinant
RCP0616

Product Overview

Name	DBR1 Human
Description	
Debranching RNA Lariats 1 Human Recombinant	
Accession (Primary)	Q9UK59
Synonyms	
Debranching RNA Lariats 1, Lariat Debranching Enzyme, Debranching Enzyme Homolog 1, RNA Lariat Debranching Enzyme, EC 3.1.-.-.	
Introduction	
DBR1 is an RNA lariat debranching enzyme which hydrolyzes 2'-5' prime branched phosphodiester bonds. The encoded protein specifically targets the bonds at the branch point of eliminated lariat intron RNA, transforming them to linear molecules which are then degraded. Additionally, DBR1 takes part in retroviral replication.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The DBR1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 20% 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 SSGLVPRGSH MGS HVKFAAL MQHQAKDKGQ TARATKFLAL DKCLPHRDFL QILEIEHDPS APDYLEYDIE WLTILRATDD LINVTGRLWN MPENNGLHAR WDYSATEEGM KEVLEKLNHD LKVPCNFSVT AACYDPSKPQ TQMQLIHRIN PQTTEFCAQL GIIDINVRLQ KSKEEHHVCG EYEEQDDVES NDSGEDQSEY NTDTSALSSI NPDEIMLDEE EDEDSIVSAH SGMNTPSVEP SDQASEFSAS FSDVRILPGS MIVSSDDTVD STIDREGKPG GTVESGNGED LTKVPLKRLS DEHEPEQRKK IKRRNQAIYA AVDDDDDDAA	

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Precautions

DBR1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UK59)