

Recombinant Full Length Human DBR1 Protein, C-Flag-tagged

Cat. No. DBR1-428HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DBR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	61.4 kDa
AA Sequence	MRVAVAGCCHGELDKIYETLALAERRGPGPVDLLLCCGDFQAVRNEADLRCAVPP KYRHMQTFYRYYSYG EKKAPVLTFIGGNHEASNHLQELPYGGWVAPNIYYLGLAGV VKYRGVRIGGISGIFKSHDYRKGFECF PYNSSTIRSIYHVRNIEVYKLKQLKQPIDIF LSHDWPRSIYHYGNKKQLLKTKSFFRQEEVENNTLGSPAA SELLEHLKPTYWFS AHL HVKFAALMQHQAKDKGQTARATKFLALDKCLPHRDFLQILEIHDPSAPDYLE YDIE WLTILRATDDLINVTGRLWNMPENGLHARWDYSATEEGMKEVLEKLNHDLKVP CN FSVTAACYDP SKPQTQMQLIHRINPQTTEFCAQLGIIDINVRLQKSKEEHHVCGEYE EQDDVESNDSGEDQSEYNTDTSA LSSINPDEIMLDEEEDEDSIVSAHSGMNTPSVE

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PSDQASEFSASFSDVRILPGSMIVSSDDTV DSTIDRE
GKPGGTVESGNGEDLT KVPLKRLSDEHEPEQRKKIKRRNQAIYAAVDDDDDDAATR
TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	DBR1 debranching RNA lariats 1 [Homo sapiens (human)]
Official Symbol	DBR1
Synonyms	debranching enzyme homolog 1; debranching enzyme homolog 1 (S. cerevisiae); RNA lariat debranching enzyme
Gene ID	51163
mRNA Refseq	NM_016216.4

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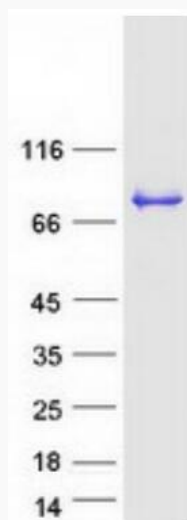
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Protein Refseq NP_057300.2

MIM 51163

UniProt ID Q9UK59



Coomassie blue staining of purified DBR1 protein.

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