

Datasheet for ABIN7546949
DBR1 Protein (AA 1-544) (His tag)



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Overview

Quantity:	1 mg
Target:	DBR1
Protein Characteristics:	AA 1-544
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DBR1 Protein expressed in mammalian cells.
Sequence:	<p>MRVAVAGCCH GELDKIYETL ALAERRGPGP VDLLLCCGDF QAVRNEADLR CMAVPPKYRH MQTFYRYYSYG EKKAPVLTFL IGGNHEASNH LQELPYGGWV APNIYYLGLA GVVKYRGVRI GGISGIFKSH DYRKGHFECP PYNSSTIRSI YHVRNIEVYK LKQLKQPIDI FLSHDWPRSI YHYGNKKQLL KTKSFFRQEV ENNTLGSPAA SELLEHLKPT YWFS AHLHVK FAALMQHQAK DKGQTARATK FLALDKCLPH RDFLQILEIE HDPSAPDYLE YDIEWLTILR ATDDLINVTG RLWNMPENNG LHARWDYSAT EEGMKEVLEK LNHD LKVP CN FSVTAACYDP SKPQTQMQLI HRINPQTTEF CAQLGIIDIN VRLQKSKEEH HVCGEYEEQD DVESNDSGED QSEYNTDTSA LSSINPDEIM LDEEDEDSDI VSAHSGMNTP SVEPSDQASE FSASFSDVRI LPGSMIVSSD DTVDSTIDRE GKPGGTVESG NGEDLTKVPL KRLSDEHEPE QRKKIKRRNQ AIYA AVDDDD DDAA</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DBR1

Alternative Name: DBR1 ([DBR1 Products](#))

Background: Lariat debranching enzyme (EC 3.1.4.-),FUNCTION: Cleaves the 2'-5' phosphodiester linkage at the branch point of excised lariat intron RNA and converts them into linear molecules that can be subsequently degraded, thereby facilitating ribonucleotide turnover (PubMed:10982890, PubMed:2435736, PubMed:16232320). Linked to its role in pre-mRNA processing mechanism, may also participate in retrovirus replication via an RNA lariat intermediate in cDNA synthesis and have an antiviral cell-intrinsic defense function in the brainstem (PubMed:16232320, PubMed:29474921). {ECO:0000269|PubMed:10982890, ECO:0000269|PubMed:16232320, ECO:0000269|PubMed:2435736, ECO:0000269|PubMed:29474921}.

Molecular Weight: 61.6 kDa

UniProt: [Q9UK59](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
