



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YB98293Hu01

Debranching Enzyme Homolog 1 (DBR1)

Organism: Homo sapiens (Human)

Instruction manual

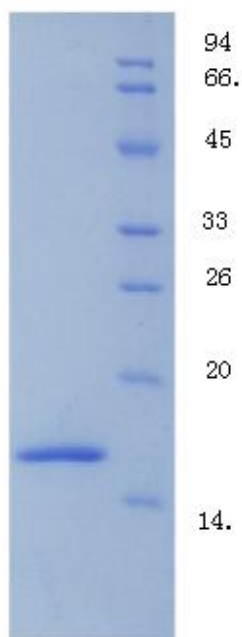
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4th Edition (Revised in February, 2012)

[DESCRIPTION]

Human DBR1 kDa



Protein Names: Debranching Enzyme Homolog 1

Synonyms: DBR1

Species: Human

Size: 5 μ g

Source: *Escherichia coli*-derived

Subcellular Location: Nucleus.

[PROPERTIES]

Residues: Gly243~Ala372 (Accession # Q9UK59), with N-terminal His-Tag.



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20 **Grade & Purity:** >97%, 16.2 kDa as determined by SDS-PAGE reducing conditions.
Formulation: Supplied as lyophilized form in PBS, pH 7.4, containing 0.01% Sarcosyl, 5% sucrose.

14. **Endotoxin Level:** <1.0 EU per 1 μ g (determined by the LAL method). **Applications:** SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)

15% SDS-PAGE

Predicted Molecular Mass: 16.2 kDa

Predicted isoelectric point: 4.8

[PREPARATION]

Reconstitute in sterile PBS, pH7.2- pH7.4.



[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months .

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-tag, its sequence is listed below.

```
MGHHHHHSGSEF-GQARATK FLALDKCLPH RDFLQILEIE HDPSAPDYLE YDIEWLTILR ATDDLINVTG
RLWNMPENNG LHARWDYSAT EEGMKEVLEK LNHDLVPCN FSVTAACYDP SKPQTQQLI HRINPQTTEF
CA
```

[REFERENCES]

1. Kim JW., *et al.* (2000) *Nucleic Acids Res* 28(18): 3666 - 73.
2. Chapman KB., *et al.* (1991) *Cell* 65 (3): 483 - 92.
3. Arenas J., *et al.* (1987) *J. Biol. Chem.* 262(9): 4274 - 9.
4. Martin A., *et al.* (2002) *J. Biol. Chem.* 277(20): 17743 - 50.
5. Strausberg RL., *et al.* (2003) *Proc. Natl. Acad. Sci. U.S.A.* 99 (26): 16899 - 903.