

Human Discoidin / DCBLD1 Protein (His Tag)

Catalog Number: 14558-H08H



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Biological Solution Specialist

General Information

Gene Name Synonym:

dJ94G16.1; 4631413K11Rik

Protein Construction:

A DNA sequence encoding the human DCBLD1 (Q8N8Z6-2) (Met1-Val459) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu 35

Molecular Mass:

The recombinant human DCBLD1 consists of 436 amino acids and predicts a molecular mass of 48.4 KDa. It migrates as an approximately 65 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

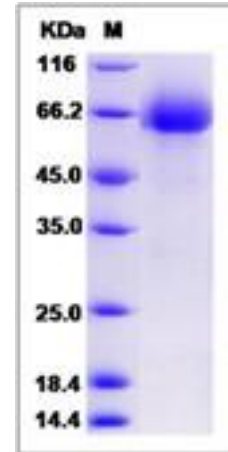
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Discoidin, also known as DCBLD1, contains 1 CUB domain, 1 F5/8 type C domain and 1 LCCL domain. It is a 715 amino acid single-pass membrane protein. Discoidin has a discoidin I-like domain which shares a common C-terminal region of about 110 amino acids with the FA58C domain, but whose N-terminal 40 amino acids are much less conserved. Discoidin gene contains 31 distinct gt-ag introns. Transcription produces 18 different mRNAs, 16 alternatively spliced variants and 2 unspliced forms. Discoidin is expected to localize in various compartments.

References

- 1.The MGC Project Team. (2004) The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). *Genome Res.* 14:2121-27.
- 2.Horton R, *et al.* (2003) The DNA sequence and analysis of human chromosome 6. *Nature* 425:805-11.
- 3.Suzuki Y, *et al.* (2004) Complete sequencing and characterization of 21,243 full-length human cDNAs. *Nat Genet.* 36:40-5.

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