



LD Biopharma, Inc.
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- PRODUCT DATA SHEET -

Name of Product: Recombinant Human Tetranectin Protein
Catalog Number: hRP-2076
Manufacturer: LD Biopharma, Inc.

Introduction

The protein encoded by human Tetranectin (TNA) belongs to the family of C-type lectin that bind specifically to Kringle four of plasminogen and is thought to have a role in the regulation of proteolytic and fibrinolysis process. It may be involved in the packaging of molecules destined for exocytosis. Tetranectin has been shown to co-localized with plasminogen at the invasion front of melanomas, suggesting a role in cancer invasion and metastases.

Full-length human Tetranectin mature protein cDNA (23 – 220 aa) was constructed with codon optimization gene synthesis and expressed with a human N-terminalT7-His-TEV cleavage site Tag (29aa) fusion. This protein was expressed in E. coli as inclusion bodies. The final product was refolded using our unique “temperature shift inclusion body refolding” technology and chromatographically purified.

Gene Symbol: TNA (CLEC3B; TN)
Accession Number: NP_003269
Species: Human
Size: 20 µg / Vial
Composition: 0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
Storage: In Liquid. Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

Key References

Heeran MC, et al., *Tetranectin positive expression in tumour tissue leads to longer survival in Danish women with ovarian cancer. Results from the 'Malova' ovarian cancer study.* APMIS 123 (5), 401-409 (2015)

Chen Y, et al., *Tetranectin as a Potential Biomarker for Stable Coronary Artery*



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Disease. Sci Rep 5, 17632 (2015)

Berglund L et al., *The gene structure of tetranectin, a plasminogen binding protein.*
FEBS Lett. 309 (1), 15-19 (1992)

Applications

1. May be used for in vitro Tetranectin mediated cancer cell adhesion / receptor pathway regulation study with this protein either as soluble factor or as coating matrix protein.
2. May be used for protein-protein interaction assay.
3. Potential biomarker protein, such as monitoring ovarian cancer prognosis.
4. As immunogen for specific antibody production.

Quality Control

Purity: > 90% by SDS-PAGE.

Recombinant Protein Sequence

MASMTGGQQMGRGHHHHHENLYFQGGEFPPTQKPKKIVNAKKDVVNTKMFEELKSRLDTLAQE
VALLKEQQALQTVCLKGTKVHMKCFLAFTQTKTFHEASEDCISRGGTLSTPQTGSENDALYEYL
RQSVGNEAEIWLGLNDMAAEGTWVDMTGARIAYKNWETEITAQPDGGKTENCAVLSGAANGKWF
DKRCRDQLPYICQFGIV