

LDLR EGF-AB domain, Myc-tagged (Human, myc-tagged recombinant protein expressed in *E.coli*.)

Cat# CY-R2341

Sterile condition

Lot No.

(500 µg/mL x 100 µL)

Product Description: PCSK9 binds to the LDL receptor *in vitro* through LDLR EGF-A domain. Human LDLR EGF-AB domain, containing a C-terminal myc-tag is expressed in *E.coli*. and purified by GSH-column- and ion exchange-chromatography. Binding capability of the LDLR EGF-AB domain, Myc-tagged to recombinant PCSK9 was confirmed by using CircuLex PCSK9-LDLR *in vitro* Binding Assay Kit (Cat# CY-8150). Unused LDLR EGF-AB domain, Myc-tagged should be stored at -70°C.

Product Size: 50 µg (500 µg/mL x 100 µL).

Formulation: The LDLR EGF-AB domain, Myc-tagged is supplied frozen in 20 mM sodium phosphate buffer pH 7.2, 290 mM NaCl and 10 % glycerol.

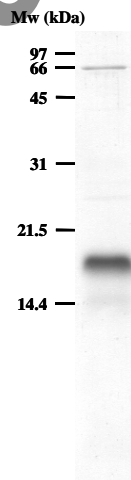
Source: Human LDLR EGF-AB domain, Myc-tagged, containing C-terminal myc-tag, expressed in *E. coli*.

Molecular Weight: The LDLR EGF-AB domain, Myc-tagged demonstrates ~18 kDa by SDS-PAGE analysis.

Purity: The LDLR EGF-AB domain, Myc-tagged is greater than 90 % pure as determined by SDS-PAGE analysis. Main impurity is ~70 kDa protein derived from *E. coli*.

Storage and Stability: Stable for 12 months at -70°C from date of shipment. Aliquot protein to avoid repeated freezing and thawing.

Fig.1 SDS-PAGE analysis of the LDLR EGF-AB domain, Myc-tagged (CBB staining)



General References:

1. Seidah NG, Benjannet S, Wickham L, Marcinkiewicz J, Jasmin SB, Stifani S, Basak A, Prat A, Chretien M (2003) Proc Natl Acad Sci USA 100:928–933.
2. Abifadel M, Varret M, Rabes JP, Allard D, Ouguerram K, Devillers M, Cruaud C, Benjannet S, Wickham L, Erlich D, et al. (2003) Nat Genet 34:154–156.
3. Leren TP (2004) Clin Genet 65:419–422.
4. Allard D, Amsellem S, Abifadel M, Trillard M, Devillers M, Luc G, Krempf M, Reznik Y, Girardet JP, Fredenrich A, et al. (2005) Hum Mutat 26:497.
5. Cohen JC, Boerwinkle E, Mosley TH, Jr, Hobbs HH (2006) N Engl J Med 354, 1264–1272.
6. Berge KE, Ose L, Leren TP (2006) Arterioscler Thromb Vasc Biol 26:1094–1100.
7. Maxwell KN, Breslow JL (2004) Proc Natl Acad Sci USA 101:7100–7105.
8. Rashid S, Curtis DE, Garuti R, Anderson NN, Bashmakov Y, Ho YK, Hammer RE, Moon YA, Horton JD (2005) Proc Natl Acad Sci USA 102:5374–5379.
9. Lagace, T. A., Curtis, D. E., Garuti, R., McNutt, M. C., Park, S. W., Prather, H. B., Anderson, N. N., Ho, Y. K., Hammer, R. E., and Horton, J. D. (2006) J. Clin. Investig. 116, 2995–3005
10. Cameron, J., Holla, O. L., Ranheim, T., Kulseth, M. A., Berge, K. E., and Leren, T. P. (2006) Hum. Mol. Genet. 15, 1551–1558
11. Zhang, D. W., Lagace, T. A., Garuti, R., Zhao, Z., McDonald, M., Horton, J. D., Cohen, J. C., and Hobbs, H. H. (2007) J. Biol. Chem. 282, 18602–18612
12. Hyock Joo Kwon*, Thomas A. Lagace†, Markey C. McNutt†, Jay D. Horton†‡, and Johann Deisenhofer (2008) Proc Natl Acad Sci USA 105: 1820–1825.
13. Matthew J. Bottomley et al. (2009) J. Biol. Chem., Jan 2009; 284: 1313-1323.
14. McNutt MC, Kwon HJ, Chen C, Chen JR, Horton JD, Lagace TA. (2009) J Biol Chem. 2009 Feb 17. [Epub ahead of print]

Related Products:

- * CircuLex Mouse/Rat PCSK9 ELISA Kit: Cat# CY-8078
- * CircuLex Human PCSK9 ELISA Kit: Cat# CY-8079
- * CircuLex PCSK9-LDLR in vitro Binding Assay Kit: Cat# CY-8150
- * Anti-Human PCSK9 prodomain monoclonal antibody (KS-3C8): Cat# CY-M1032
- * Anti-Human PCSK9 monoclonal antibody (KS-4H12): Cat# CY-M1033
- * PCSK9 Wild Type in culture medium: Cat# CY-R2310
- * PCSK9 Δ(33-53) / Wild Type in culture medium: Cat# CY-R2320
- * PCSK9 D374Y in culture medium: Cat# CY-R2311
- * PCSK9 Δ(33-53) / D374Y in culture medium: Cat# CY-R2321
- * PCSK9 Wild Type/Δ53 in culture medium: Cat# CY-R2320
- * PCSK9 Wild Type: Cat# CY-R2330
- * PCSK9 D374Y: Cat# CY-R2331
- * PCSK9 R194A: Cat# CY-R2333
- * LDLR EGF-AB domain: Cat# CY-R2340
- * LDLR EGF-AB domain, Myc-tagged: Cat# CY-R2341
- * LDLR EGF-AB domain H306Y: Cat# CY-R2342
- * LDLR EGF-AB domain H306Y, Myc-tagged: Cat# CY-R2343

PRODUCED BY

CycLex Co., Ltd.
1063-103 Terasawaoka
Ina, Nagano 396-0002
Japan
Fax: +81-265-76-7618
e-mail: info@cyclex.co.jp
URL: <http://www.cyclex.co.jp>

CycLex/CircuLex products are supplied for research use only. CycLex/CircuLex products and components thereof may not be resold, modified for resale, or used to manufacture commercial products without prior written approval from CycLex Co., Ltd.. To inquire about licensing for such commercial use, please contact us via email.