

PCSK9 Wild Type

(Human, full length, recombinant protein expressed in HEK 293 cells)

Cat# CY-R2330

Lot No.
Sterile condition
50 µg (200 µg/mL x 250 µL)

Product Description: PCSK9 binds to the LDL receptor *in vitro* and *in vivo*. Human PCSK9 wild type containing a C-terminal His-tag, expressed in HEK 293 cells. Binding capability to EGF-AB domain of LDL receptor was confirmed by using CircuLex PCSK9-LDLR *in vitro* Binding Assay Kit (CY-8150). Purified by Ni-chelating chromatography. Unused PCSK9 Wild Type should be stored at -70°C.

Product Size: 50 µg.

Formulation: Supplied frozen in 2x PBS pH 7.2, 20 % glycerol.

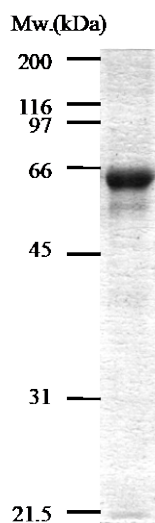
Source: Human PCSK9, full length, containing a C-terminal His-tag, expressed in HEK 293 cells.

Molecular Weight: 62 kDa (catalytic and C-terminal domain) and 16 kDa (prodomain) bands by SDS-PAGE analysis.

Purity: > 95 % pure as determined by SDS-PAGE analysis.

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 PCSK9 Wild Type (CBB staining)



For Research Use Only, Not for use in diagnostic procedures**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.

For more information, please visit our web site.

<https://ruo.mbl.co.jp/>

MANUFACTURED BY**MBL** A JSR Life Sciences Company
MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.URL: <https://ruo.mbl.co.jp>E-mail: support@mbi.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 MBL. To inquire about licensing for such commercial use, please contact us via email.