

Data Sheet

PCSK9(D374T), Biotinylated

Human, recombinant, C-Terminal His-Avi Tags
Catalog #: w81222
Lot#: 121211-BD Conc.: 0.22 mg/ml

Formulated in: 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol

Stability: >6 months at -80°C . *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

References:

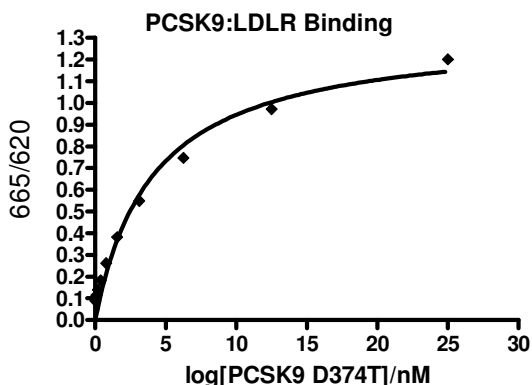
1. Chan, J.C. *et al.* (2009). *Proc. Natl. Acad. Sci. USA*, **106**: 9820-9825.
2. Liang, H., *et al.* (2012). *J. Pharmacol. Exp. Ther.* **340**: 2289-236.

Description: Human proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as FH3, HCHOLA3, and PC9, GenBank Accession No. NM_174936, a.a. 31-692(end), with C-terminal His- and Avi-tags and a D374T mutation, MW=73.8 kDa, expressed in an HEK293 cell expression system and enzymatically biotinylated using Avitag™ technology. PCSK9 is autocleaved to the ~14 kDa prodomain (a.a. 31-152) and the ~60 kDa mature form (a.a. 153-692), which run at higher MW by SDS-PAGE.

Assay Conditions: Reaction was performed using PCSK9(D374T)-LDLR TR-FRET Assay Kit (Cat. #w82022). Briefly, 5 ng of europium-labeled LDLR were mixed with varying amounts of PCSK9(D374T) and dye-labeled acceptor in PCSK9 TR-FRET assay buffer and incubated at RT for 2 hr. Donor emission was read at 620 nm followed by acceptor emission at 665 nm.

Application: Useful for the study of enzyme kinetics, binding studies, screening inhibitors, and selectivity profiling.

Quality Assurance

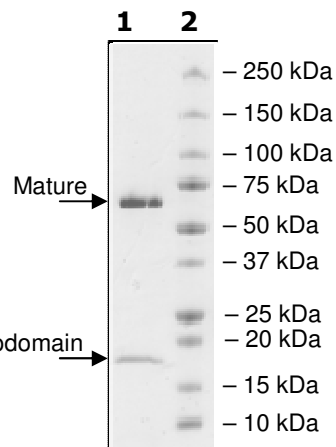


**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
2.2 μg PCSK9(D374T)

Lane 2:
Protein Marker

MW: 14 kDa, 60 kDa
Purity: $\geq 85\%$



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