Datasheet for ABIN1691726

# CD320 Protein (AA 36-231) (Fc Tag)

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## Overview

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| Quantity: | 50 µg |
| Target: | CD320 |
| Protein Characteristics: | AA 36-231 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD320 protein is labelled with Fc Tag. |

## Product Details

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| Purpose: | Recombinant Human Transcobalamin II Receptor/TCblR/8D6A/CD320 (C-Fc) |
| Sequence: | SPLSTPTSAQ AAGPSSGSCP PTKFQCRTSG LCVPLTWRCD RDLDCSDGSD EEECRIEPCT QKGQCPPPPG LPCPCTGVSD CSGGTDKKLR NCSRLACLAG ELRCTLSDDC IPLTWRCDGH PDCPDSSDEL GCGTNEILPE GDATTMGPPV TLESVTSLRN ATTMGPPVTL ESVPSVGNAT SSSAGDQSGS PTAYGVVDDI EGRMDEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSREEMTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGK |
| Characteristics: | Recombinant Human Transcobalamin II Receptor/TCblR/8D6A/CD320 (C-Fc) |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |

## Product Details

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| Endotoxin Level: | Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test |

## Target Details

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| Target: | CD320 |
| Alternative Name: | CD320 (CD320 Products) |
| Background: | Recombinant Human CD320/TCblR/8D6A is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser36-Val231) of Human CD320 fused with a FC tag at the C-terminus.<br>CD320 antigen is also known as 8D6 antigen, FDC-signaling molecule 8D6, Transcobalamin receptor and 8D6A. It is a single-pass type I membrane protein and containing two LDL-receptor class A domains. CD320 has been recently discovered and reported as a follicular dendritic cell (FDC) protein. CD320 can augments the proliferation of plasma cells precursors generated by IL-10. CD320 also founctions a receptor for the cellular uptake of transcobalamin bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCblR (MMATC) which is a metabolic disorder. |
| Molecular Weight: | 47.3 kDa |
| UniProt: | Q9NPF0 |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | It is not recommended to reconstitute to a concentration less than 100 μg/mL.<br>Dissolve the lyophilized protein in ddH2O.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Buffer: | Lyophilized from a 0.2 μm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | 4 °C/-20 °C/-80 °C |
| Storage Comment: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days. |

## Handling

Aliquots of reconstituted samples are stable at < -20°C for 3 months.