

32-7856: Recombinant Human Transcobalamin II Receptor/TCbIR/8D6A/CD320 (C-6His)

Gene : CD320
Gene ID : 51293
Uniprot ID : Q9NPF0

Description

Source: Human Cells.
MW :21.1kD.

Recombinant Human Transcobalamin II Receptor is produced by our Mammalian expression system and the target gene encoding Ser36-Val231 is expressed with a 6His tag at the C-terminus. 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 augment the proliferation of plasma cells precursors generated by IL-10. CD320 also functions as a receptor for the cellular uptake of transcobalamin bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbIR (MMATC) which is a metabolic disorder.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 10mM Tris-Citrate, 150mM NaCl, pH 7.4.
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Storage condition : Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : SPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPLTWRCDRDLDCSDGSDDEECRIEPTQKQGQCPPLGLPC
PCTGVSDCSGGTDKLRNCSRLACLAGELRCTLSDDCIPLTWRCDGHPDCPDSSDELGCGTNEILPEGDATTM
GPPVTLESVTSLRNATTMGPPVTLESVPSVGNATSSSAGDQSGSPTAYGVVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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