

# Recombinant Human CD320 Protein, Fc-tagged

**Cat. No.** CD320-043H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD320 fused with Fc tag at C-termina was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes the transcobalamin receptor that is expressed at the cell surface. It mediates the cellular uptake of transcobalamin bound cobalamin (vitamin B12), and is involved in B-cell proliferation and immunoglobulin secretion. Mutations in this gene are associated with methylmalonic aciduria. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | Lyophilized from a 0.2 M filtered solution of 20mM Tris, 150mM NaCl, pH 8.0                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 47.3kD                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | SPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPLTWRCRDLDCSDGSDEEEECRI<br>EPCTQKGQCPPPPGLPCPCTGVSDCSGGTDKKLRNCSRLACLAGELRCTLSDDCIP<br>LTWRCDGHPDCPDSSDELGCGTNEILPEGDATTMGPPVTLESVTSLRNATTMGPPV<br>TLESVPSVGNATSSSAGDQSGSPTAYGVVDHHHHHH                                                                                                                                                                                            |
| <b>Endotoxin</b>        | Endotoxin level is <0.1 ng/g of protein (<1EU/g).                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >95% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration**

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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**GENE INFORMATION**

|                 |                                               |
|-----------------|-----------------------------------------------|
| Gene Name       | CD320 CD320 molecule [ Homo sapiens (human) ] |
| Official Symbol | CD320                                         |
| Synonyms        | 8D6; 8D6A; TCBLR; CD320;                      |
| Gene ID         | 51293                                         |
| mRNA Refseq     | NM_001165895.1                                |
| Protein Refseq  | NP_057663                                     |
| MIM             | 606475                                        |
| UniProt ID      | F5H6D3                                        |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA