

## Recombinant Human CD320 Protein, hlgG-His-Tagged

Cat. No. CD320-01H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant Human CD320 Protein, hlgG-His-Tagged was expressed in Baculovirus cell line.                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 438aa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 47.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | < 1 EU per 1ug of protein (determined by LAL method)                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                            |

 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

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.                               |
| <b>Storage</b>          | Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>    | 0.5mg/ml (determined by absorbance at 280nm)                                                                                                  |
| <b>Storage Buffer</b>   | Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                               |
| <b>Gene Name</b>        | CD320 CD320 molecule [ Homo sapiens (human) ]                                                                                                 |
| <b>Official Symbol</b>  | CD320                                                                                                                                         |
| <b>Synonyms</b>         | CD320 antigen isoform 1, CD320, 8D6, 8D6A, TCBLR                                                                                              |
| <b>Gene ID</b>          | 51293                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_016579.4                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_057663.1                                                                                                                                   |
| <b>MIM</b>              | 606475                                                                                                                                        |
| <b>UniProt ID</b>       | Q9NPF0                                                                                                                                        |