

## Active Recombinant Human VSIG4, MlgG2a Fc-tagged

**Cat. No.** VSIG4-510H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The extracellular domain of human VSIG4(AAH10525.1) (Arg20-Pro283) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 20-283 a.a.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a v-set and immunoglobulin-domain containing protein that is structurally related to the B7family of immune regulatory proteins. The encoded protein may be a negative regulator of T-cell responses. Thisprotein is also a receptor for the complement component 3 fragments C3b and iC3b. Alternate splicing results inmultiple transcript variants |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                        |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA.                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | Arg20-Pro283                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | <0.06 eu/µg="" as="" determined="" by="" la="" test.="">                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | >98%, by SDS-PAGE under reducing conditions.                                                                                                                                                                                                                                                                                                                            |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>           | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.                                                                                   |
| <b>Reconstitution</b>      | Reconstitute at 100µg/ml in sterile PBS.                                                                                                                                                                              |
| <b>Warning</b>             | Avoid freeze/thaw cycles.                                                                                                                                                                                             |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                       |
| <b>Gene Name</b>           | VSIG4 V-set and immunoglobulin domain containing 4 [ Homo sapiens ]                                                                                                                                                   |
| <b>Official Symbol</b>     | VSIG4                                                                                                                                                                                                                 |
| <b>Synonyms</b>            | VSIG4; V-set and immunoglobulin domain containing 4; V-set and immunoglobulin domain-containing protein 4; Z39IG; protein Z39Ig; Ig superfamily protein; complement receptor of the immunoglobulin superfamily; CRlg; |
| <b>Gene ID</b>             | 11326                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_001100431                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001093901                                                                                                                                                                                                          |
| <b>MIM</b>                 | 300353                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | Q9Y279                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | Xq12-q13.3                                                                                                                                                                                                            |
| <b>Function</b>            | protein binding;                                                                                                                                                                                                      |

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