

# Recombinant Human VCAN Protein (3089-3354 aa), His-Myc-tagged

**Cat. No.** VCAN-2811H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human VCAN Protein (3089-3354 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Signal Transduction. Protein Description: Partial.                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 3089-3354 aa                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | May play a role in intercellular signaling and in connecting cells with the extracellular matrix. May take part in the regulation of cell motility, growth and differentiation. Binds hyaluronic acid.                                                                                       |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 34.6 kDa                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | GPDRCKMNPCLNGGTCYPTETSYVCTCVPGYSGDQCELD FDECHSNPCRNGATC<br>VDGFNTFRCLCLPSYVGALCEQDTETCDYGW HKFQQCYKYFAHRRTWDA AERE<br>CRLQGAHLTSILSHEEQMFVNRVGH DYQWIGLNDKMF EHDRWTDGSTLQYENWR<br>PNQPDSFFSAGEDCVVIWHENGQWNDVPCNYHLTYTCKKGTVACGQPPVVENAK<br>TFGKMKPRYEINSLIRYHCKDGF IQRHLPTIRCLGNRWAIPKITCMN |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |

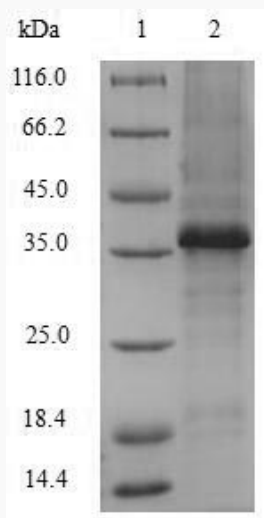
## GENE INFORMATION

|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | VCAN versican [ Homo sapiens ]                                                                                          |
| <b>Official Symbol</b> | VCAN                                                                                                                    |
| <b>Synonyms</b>        | VCAN; versican; versican core protein; PG M; versican proteoglycan; WGN; ERVR; GHAP; PG-M; WGN1; CSPG2; DKFZp686K06110; |
| <b>Gene ID</b>         | 1462                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_001126336                                                                                                            |
| <b>Protein Refseq</b>  | NP_001119808                                                                                                            |
| <b>MIM</b>             | 118661                                                                                                                  |
| <b>UniProt ID</b>      | P13611                                                                                                                  |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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