

## Recombinant Human VIL1 protein, GST-tagged

**Cat. No.** VIL1-1841H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human VIL1 protein(1-350 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-350 aa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.                                                                                                         |
| <b>AA Sequence</b>      | MTKLSAQVKGSLNITTPGLQIWRIEAMQMVPVPSSTFGSFFDGCYIILAIHKTASSLS<br>YDIHYWIGQDSSLDEQGAAAIYTTQMDDFLKGRAVQHREVQGNESAEFRGYFKQGL<br>VIRKGGVASGMKHVETNSYDVQRLLHVKGKRNVVAGEVEMSWKSFNRGDVFLDL<br>GKLIIQWNGPESTRMERLRGMTLAKEIRDQERGGRTYVGVVDGENELASPKLMEVM<br>NHVLGKRRELKAAVPDTPVEPALKAALKLYHVSDSEGNLVRVATRPLTQDLLSHE<br>DCYILDQGGGLKIYVWKGKKANEQEKKGAMSHALNFIKAKQYPPSTQVEVQNDGAES<br>AVFQQFLFQKWT |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer                                                                                                                                                                                                                                             |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.  
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                 |                                         |
|-----------------|-----------------------------------------|
| Gene Name       | VIL1 villin 1 [ Homo sapiens ]          |
| Official Symbol | VIL1                                    |
| Synonyms        | VIL1; villin 1; VIL; villin-1; D2S1471; |
| Gene ID         | 7429                                    |
| mRNA Refseq     | NM_007127                               |
| Protein Refseq  | NP_009058                               |
| MIM             | 193040                                  |
| UniProt ID      | P09327                                  |

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