

# Recombinant Full Length Human PODN Protein, C-Flag-tagged

**Cat. No.** PODN-780HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PODN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is a member of the small leucine-rich repeat protein family and contains an amino terminal CX3CXCX7C cysteine-rich cluster followed by a leucine-rich repeat domain. Studies suggest that this protein could function to inhibit smooth muscle cell proliferation and migration following arterial injury.                                                                                                                                                                                                                                  |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MEGARARGAQLRLGERVRPVGRRSAPGRSRFHQPWRPGASDSAPPAGTMAQSR<br>VLLLLLLLPPQLHLGPV LAVRAPGFGRSGGHSLSP EENEFAEEEPVLVLSPEEPGPG<br>PAAVSCPRDCACSQEGVVD CGGIDLREFPG DLPEHTNHLSLQNNQLEKIYPEELSR<br>LHRLETNLQNNRLTSRGLPEKA FEHLTNLNYLYLANNKLT LAP RFLPNALISVDFAA<br>NYLTKIYGLTFGQKPNLR SVYLHNNKLADAGLPDNMFNGSSNVEVLILSSNFLRHV P<br>KHLPPALYKLHLKNNKLEKIPPGAFSELSSLRELYLQNNYLTDEGLDNETFWKLSSLE<br>YLDLSSNNLSR VPAGLPRSLVLLHLEKNAIRSVDANVLTPIRSLEYLLLHSNQLREQG<br>IHPLAFQGLKRLHTVHLYNNALE RVPSGLPRRVRTL MILHNQITGIGREDFATTYFLE<br>ELNLSYNRITSPQVHRDAFRKLRLRLSLDLSGNRL HTLPPGLPRNVHVLKVKRNELA |

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ALARGALAGMAQLRELYLTSNRLRSRALGPRAWVDLAHLQLLDIAGNQ L TEIPEGLP  
ESLEYLYLQNNKISAVPANAFDSTPNLKGIFLRFNKLAVGSVVDSAFRRRLKHLQVLDIE  
GN  
LEFGDISKDRGRLGKEKEEEEEEEEEEEEEETRTTRTRPLEQKLISEEDLAANDILDYKDD  
DDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Secreted Protein                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

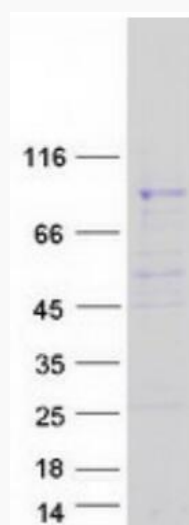
|                        |                                       |
|------------------------|---------------------------------------|
| <b>Gene Name</b>       | PODN podocan [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PODN                                  |
| <b>Synonyms</b>        | PCAN; SLRR5A                          |
| <b>Gene ID</b>         | 127435                                |

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|                       |             |
|-----------------------|-------------|
| <b>mRNA Refseq</b>    | NM_153703.5 |
| <b>Protein Refseq</b> | NP_714914.3 |
| <b>MIM</b>            | 608661      |
| <b>UniProt ID</b>     | Q7Z5L7      |



Coomassie blue staining of purified PODN protein.

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