

## Product datasheet for **TP305479L**

### Rhophilin 2 (RHPN2) (NM\_033103) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human rhophilin, Rho GTPase binding protein 2 (RHPN2), 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC205479 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)       |

MTDALLPAAPQPLEKKNNDGYFRKGCNPLAQTGRSKLQNQRAALNQQILKAVRMRTGAENLLKVATNSKVR  
EQVRLELSFVNSDLQMLKEELEGLNISVGVYQNTTEEAFTIPLIPLGLKETKDVFVAVLKDFILEHYS  
ED  
GYLYEDEIADLMDLRQACRTPSRDEAGVELLMTYFIQLGFVESRFFPPTQRMGLLFTWYDSL  
TGVPVSQQ  
NLLLEKASVLFNTGALYTQIGTRCDRQTQAGLESIDAFAQRAAGVLNLYKDTFTHTPSYDMSPAMLSVLV  
KMMLAQAEQSVFEKISLPGIRNEFFMLVKVAQEAAKVGEVYQQLHAAMSQAPVKENIPYSWASLACVKAH  
HYAALAHYFTAILLDHQQVPGTDLDHQEKCLSQLYDHMPEGLTPLATLKNQRRQLGKSHLRRAMAH  
H  
EESVREASLCKKLRISIEVLQKVLCAAQERSRLTYAQHQEEDLLNLIDAPSVVAKTEQEVDIILPQFSKL  
TVTDFQKLGPLSVFSANKRWTPPRSIRFTAEEGDLGFTLRGNAPVQVHFLDPYCSASVAGAREGDYIVS  
IQLVDCKWLTSEVMKLLKSFGEDEIEMKVVSLLDSTSSMHNKSATYSVGMQKTYSMICLAIDDDDDKTDK  
TKKISKKLSFLSWGNTNKNRQKSASTLCLPSVGAARPQVKKKLPSPFLLNSDSSWY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

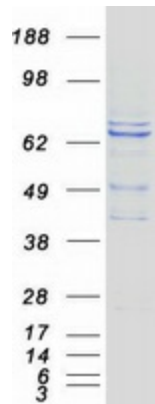
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 76.8 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |



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|                      |   |
|----------------------|---|
| <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>RefSeq:</b>       | <a href="#">NP_149094</a>   |
| <b>Locus ID:</b>     | 85415   |
| <b>UniProt ID:</b>   | <a href="#">Q8IUC4</a>  |
| <b>RefSeq Size:</b>  | 3546  |
| <b>Cytogenetics:</b> | 19q13.11  |
| <b>RefSeq ORF:</b>   | 2058  |
| <b>Synonyms:</b>     | P76RBE; RHOBP   |
| <b>Summary:</b>      | This gene encodes a member of the rhophilin family of Ras-homologous (Rho)-GTPase binding proteins. The encoded protein binds both GTP- and GDP-bound RhoA and GTP-bound RhoB and may be involved in the organization of the actin cytoskeleton. [provided by RefSeq, Apr 2009] |

### Product images:



Coomassie blue staining of purified RHPN2 protein (Cat# [TP305479]). The protein was produced from HEK293T cells transfected with RHPN2 cDNA clone (Cat# [RC205479]) using MegaTran 2.0 (Cat# [TT210002]).