

## Product datasheet for TP323992M

### HIP55 (DBNL) (NM\_001014436) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human drebrin-like (DBNL), transcript variant 2, 100 µg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC223992 protein sequence<br>Red=Cloning site Green=Tags(s)                   |

MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK  
DPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKGAHV TINARA EEDVEPECIMEKVAKASGANY  
SFHKESGRFQDVGPQAPVGSVYQKTNAVSEIKRVGKDSFWAKAEKEEENRRLEEKRRAEEAQRQLEQERR  
ERELREAAARREQRYQEQQGEASPQSRTWEQQQEVSRNRNEQESAVHPREIFKQKERAMSTTSSPQPG  
KLRSPFLQKQLTQPETHFGREPAAAISRPRADLPAEEPAPSTPPCLVQAEAAVYEEPEQETFYEQPPL  
VQQQGAGSEHIDHHIQGQGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFG  
MFPANYVELIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 48 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.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <u><a href="#">NP_001014436</a></u>  |

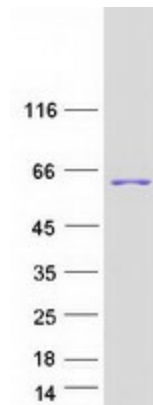


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Locus ID: 28988  
UniProt ID: [Q9UJU6](#)  
RefSeq Size: 2210  
Cytogenetics: 7p13  
RefSeq ORF: 1293  
Synonyms: ABP1; HIP-55; HIP55; SH3P7

**Summary:** Adapter protein that binds F-actin and DNM1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes (By similarity). May act as a common effector of antigen receptor-signaling pathways in leukocytes. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified DBNL protein (Cat# [TP323992]). The protein was produced from HEK293T cells transfected with DBNL cDNA clone (Cat# [RC223992]) using MegaTran 2.0 (Cat# [TT210002]).