

Product datasheet for **TP303435M**

HIP55 (DBNL) (NM_014063) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human drebrin-like (DBNL), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC203435 protein sequence
Red=Cloning site **Green**=Tags(s)

MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK
DPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKGAHVTTINARAEEEDVEPECIMEKVKAKASGANY
SFHKESGRFQDVGPQAPVGSVYQKTNAVSEIKRVGKDSFWAKAEKEEENRRLEEKRAEEAQRQLEQERR
ERELREAAARREQRYQEQGGEASPQSRTWEQQQEVSRNRNEQESAVHPREIFKQKERAMSTTSSPQPG
KLRSPFLQKQLTQPETHFGREPAAAISRPRADLPAEEPAPSTPPCLVQAEAAVYEEPEQETFYEQPPL
VQQQGAGSEHIDHHIQGQGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFG
MFPANYVELIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 48.1 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: [NP_054782](#)



[View online »](#)

Locus ID: 28988

UniProt ID: [Q9UJU6](#)

RefSeq Size: 2213

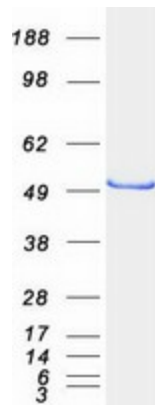
Cytogenetics: 7p13

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# [TP303435]). The protein was produced from HEK293T cells transfected with DBNL cDNA clone (Cat# [RC203435]) using MegaTran 2.0 (Cat# [TT210002]).