

## Product datasheet for PH303435

### HIP55 (DBNL) (NM\_014063) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DBNL MS Standard C13 and N15-labeled recombinant protein (NP_054782)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203435
Predicted MW:	48.3 kDa
Protein Sequence:	>RC203435 protein sequence Red=Cloning site Green=Tags(s)

MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK  
DPNSGLPKFVLIINWTGEGVNDVRKACASHYSTMASFLKGAHVTINARAEEDVEPECIMEKVAKASGANY  
SFHKESGRFQDVGPQAPVGSVYQKTNAVSEIKRVGKDSFWAKAEKEEENRRLEEKRRAAEAQRQLEQERR  
ERELREAAARREQRYQEQQGEASPSRTWEQQQEVVSRNRNEQESAVHPREIFKQKERAMSTTSISSPQPG  
KLRSPFLQKQLTQPETHFGREPAAAI SRPRADLP AEPA P STPPCLVQAE EEA VYEE PPEQET FYEQPPL  
VQQQGAGSEHIDHHIQGQGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFG  
MFPANYVELIE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_054782</a></u>
RefSeq Size:	2213
RefSeq ORF:	1293
Synonyms:	ABP1; HIP-55; HIP55; SH3P7



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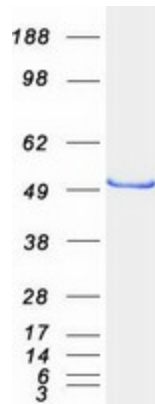
Locus ID: 28988

UniProt ID: [Q9UJU6](#)

Cytogenetics: 7p13

**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]).