

## Product datasheet for PH302596

### EPB41L1 (NM\_177996) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	EPB41L1 MS Standard C13 and N15-labeled recombinant protein (NP_818932)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202596
Predicted MW:	87.6 kDa
Protein Sequence:	>RC202596 protein sequence Red=Cloning site Green=Tags(s)

MEEKDYSEADGLSERTTPSKAQKSPQKIAKKYKSAICRVTLDDASEYECEVEKHGRGQVLFDLVCEHLNL  
LEKDYFGLTFCDADSQKNWLDPSKEIKKQIRSSPWNFAFTVKFYPPDPAQLTEDITRYYLCLQLRADIIIT  
GRLPCSFVTHALLGSYAVQAELGDYDAEEHVGNYVSELRFAPNQTRELEERIMELHKTYRGMTPGEAEIH  
FLENAKKLSMYGVDLHHAQDSEGDIMLVGCANGLLIYRDRLRINRFAWPKILKISYKRSNFYIKIRPGE  
YEQFESTIGFKLPNHRSAKRLWKVCIHHHTFFRLVSPPEPPKGFVLMGSKFRYSGRTOAQTRQASALIDR  
PAPFFERSSSKRYTMSRSLDGAEFSRPASVSENHDAGPDGDKRDEDESGGQRSEAEEGEVRTPTKIKEL  
KFLDKPEDVLLKHQASINELKRTLKEPNSKLIHRDRDWERERRLPSSPASPSPKGTPKANERAGLREGS  
EEKVKPPRPRAPESDTGDEDQDQERDVFLLKDNHLAIERKCSSTITVSSTSLEAEVDFTVIGDYHGSAFE  
DFSRSLEPELDRDKSDSDTEGLLFSRDLNKGAPSDDESGGIEDSPDRGACSTPDMQFEPVKTTETMTVSS  
LAIRKKIEPEAVLQTRVSAMDNTQENSLKSGKGAAMIPGPQTVATEIRSLSPIIGKDVLTSTYGATAET  
LSTSTTHVTKTVKGGFSETRIEKRIIITGDEDVDQDQALALAIKEAKLQHPDMLVTKAVVYRETDPSP  
ERDKKPQES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<a href="#">NP_818932</a>



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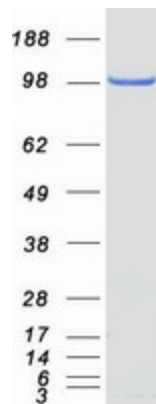
RefSeq Size: 5967  
RefSeq ORF: 2337  
Synonyms: 4.1N; MRD11  
Locus ID: 2036  
UniProt ID: [Q9H4G0](#), [B7Z653](#)  
Cytogenetics: 20q11.23

**Summary:** Erythrocyte membrane protein band 4.1 (EPB41) is a multifunctional protein that mediates interactions between the erythrocyte cytoskeleton and the overlying plasma membrane. The encoded protein binds and stabilizes D2 and D3 dopamine receptors at the neuronal plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015]

**Protein Families:** Druggable Genome

**Protein Pathways:** Tight junction

### Product images:



Coomassie blue staining of purified EPB41L1 protein (Cat# [TP302596]). The protein was produced from HEK293T cells transfected with EPB41L1 cDNA clone (Cat# [RC202596]) using MegaTran 2.0 (Cat# [TT210002]).