

#### OriGene Technologies, Inc.

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# Product datasheet for PH324145

## DIABLO (NM\_138930) Human Mass Spec Standard

### **Product data:**

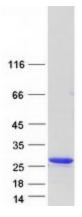
Nescription:DIABLO MS Standard C13 and N15-labeled recombinant protein (NP_620308)Species:HumanExpression Host:HEX293Expression CDNACtions or AA Sequence:RC224145Predicted MW:J.7 kDaPretein Sequence:%SOPYFQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLGK Red-Coining site Green-Tags(s)Pretein Sequence:%SOPYFQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLGK Red-Coining site Green-Tags(s)Tag:Coing Site Green-Tags(s)RTPLECKLISEEDHAWDILDYKDDDDKVTag:SoB ads determined by SDS-PAGE and Coomasie blue stainingPointSoB ads determined by Microplate BCA methodStorentration:SoB ads determined by Microplate BCA methodBuffer:SoB ads determined by Microplate BCA methodStorage:SoB ads determined by Microplate BCA methodBuffer:SoB ads determined by Microplate BCA methodStorage:SoB ads determined by Microplate BCA methodBuffer:SoB ads determined by Microplate BCA methodStorage:SoB ads determined by Microplate BCA methodBuffer:SoB ads determined by Microplate BCA methodStorage:SoB ads determined by Microplate BCA methodBuffer:SoB ads determined by Microplate BCA method <th>Product Type:</th> <th>Mass Spec Standards</th>	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Expression cDNA ClossRC224145Predicted MW:2.17 kDaPredicted MW:2.RC224145 representing NM_138930 RedeCloning site Green=Tags(s)Protein Sequence:>RC224145 representing NM_138930 RedeCloning site Green=Tags(s)MKSDFYFQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLSLYRQYTSLLGK MNSEEEDEWWUIIGARAEMTSKHQEYLKLETTWMTAVGLSEMAAEAAQTGADQASITARNHIQLVKLQ VEEVHQLSRKAETKLAEAQIEELRQKTQEEGEERAESQEAYLREDTag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µ as determined by microplate BCA methodBuffer:0.05 µg/µ as determined by SDS-PAGE and Coomassie blue stainingForage:Store at-80°C.Avoid repeated freeze-thaw cycles.Storage:0.05 µg/µ as determined by SDS-PAGE and Coomassie blue stainingGorage:0.05 µg/µ as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µ as determined by microplate BCA methodIsoled with [U-13C6,15N4]-LArginine and [U-13C6,15N2]-L-LysineBuffer:0.50 µg/ µs ad termined by forducts under proper storage and handling conditionsForage:ND 620308RefSeq ORF:058Store Ato-Store Ato-Sto	Description:	DIABLO MS Standard C13 and N15-labeled recombinant protein (NP_620308)
Argession cDNA CloomRC224145Predicted MW:1.7 kDaProtein Sequence:RC224145 representing NM_138930 Red=Cloning site Green=Tags(s)WkSDFYFQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLLGK WMSEEEDEVWQYIIGARAEMTSKHOEVLKLETTWMTAVGLSEMAAEAAYQTGADQASITARNHIQLVKLQ VEEVHQLSRKAETKLAEAQIEELRQKTQEEGERAESQEAYLREDTag:C-Myc/DDKTag:S80% as determined by SDS-PAGE and Coomassie blue stainingPurity:S05 µg/µL as determined by microplate BCA methodLabeling Method:Labeld with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:S05 µg/µL as determined by microplate BCA methodStorage:Stora et a80°C. Avoid repeated freeze-thaw cycles.Storage:Stole for 3 months from receipt of products under proper storage and handling conditionsRefseq NR:S45Refseq ORF:S58Storage:S18Storage:S58Storage:S6616	Species:	Human
or AA Sequence:Predicted MW:21.7 kDaProtein Sequence:>RC224145 representing NM_138930 Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)MKSDFYFQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLLGK MNSEEEDEVWQVTIGARAEMTSKHQEYLKLETTWMTAVGLSEMAAEAAYQTGADQASITARNHIQLVKLQ VEEVHQLSRKAETKLAEAQIEELRQKTQEEGERAESEQEAYLREDTag:C-Myc/DDKTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP 620308RefSeq Size:2455Apster Size:588Size:586Size:586Size:586Size:586Size:586Size:586Size:586Size:	Expression Host:	HEK293
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NNSEEEDEVWQVIIGARAEMTSKHQEYLKLETTWMTAVGLSEMAAEAAYQTGADQASITARNHIQLVKLQ VEEVHQLSRKAETKLAEAQIEELRQKTQEEGERAESEQEAYLREDTag:TMTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCL 100 mM glycine, pH 7.3Storage:Store at-80°C. Avoid repeated freeze-thaw cycles.RefSeq:NP 620308RefSeq Size:2455RefSeq ORF:558Synonyms:DFNA64; SMACLous ID:S616	Protein Sequence:	
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Concentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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:NP 620308RefSeq Size:2455RefSeq ORF:558Synonyms:DFNA64; SMACLocus ID:56616	Tag:	C-Myc/DDK
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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:NP 620308RefSeq Size:2455Square558Synonyms:DFNA64; SMACLocus ID:56616	Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 620308RefSeq Size:2455RefSeq ORF:558Synonyms:DFNA64; SMACLocus ID:56616	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 620308   RefSeq Size: 2455   RefSeq ORF: 558   Synonyms: DFNA64; SMAC   Locus ID: 56616	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 2455   RefSeq ORF: 558   Synonyms: DFNA64; SMAC   Locus ID: 56616	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 558   Synonyms: DFNA64; SMAC   Locus ID: 56616	RefSeq:	<u>NP 620308</u>
Synonyms: DFNA64; SMAC   Locus ID: 56616	RefSeq Size:	2455
Locus ID: 56616	RefSeq ORF:	558
	Synonyms:	DFNA64; SMAC
UniProt ID: Q9NR28, Q502X2	Locus ID:	56616
	UniProt ID:	<u>Q9NR28, Q502X2</u>



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	DIABLO (NM_138930) Human Mass Spec Standard – PH324145
Cytogenetics:	12q24.31
Summary:	This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and allows activation of caspases by binding to inhibitor of apoptosis proteins. Overexpression of the encoded protein sensitizes tumor cells to apoptosis. A mutation in this gene is associated with young- adult onset of nonsyndromic deafness-64. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]
<b>Protein Families</b>	: Transmembrane

## **Product images:**



Coomassie blue staining of purified DIABLO protein (Cat# [TP324145]). The protein was produced from HEK293T cells transfected with DIABLO cDNA clone (Cat# [RC224145]) using MegaTran 2.0 (Cat# [TT210002]).

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