

## Product datasheet for **TP324190L**

### DIABLO (NM\_138929) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diablo homolog (Drosophila) (DIABLO), nuclear gene encoding mitochondrial protein, transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224190 representing NM_138929 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAALKSWLSRSVTSFFRYRQCLCVPVWANFKKRCFSELIRPWHKTVTIGFGVTLCVPIAQAVYTLTSLY  
RQYTSLLGKMNSEEEDEVWQVIIGARAEMTSKHQEYLLKLETTWMTAVGLSEMAAEAAAYQTGADQASITAR  
NHIQLVKLQVEEVHQLSRKAETKLAEAQIEELRQKTQEEGEERAESEQEAYLRED

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	15.9 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_620307</a></u>
Locus ID:	56616
UniProt ID:	<u><a href="#">Q9NR28</a></u>



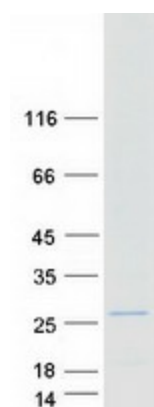
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RefSeq Size:	1366
Cytogenetics:	12q24.31
RefSeq ORF:	585
Synonyms:	DFNA64; DIABLO-S; SMAC; SMAC3

**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]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified DIABLO protein (Cat# [TP324190]). The protein was produced from HEK293T cells transfected with DIABLO cDNA clone (Cat# [RC224190]) using MegaTran 2.0 (Cat# [TT210002]).