

## Product datasheet for TP308193

### Deleted in azoospermia 4 (DAZ4) (NM\_020420) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens deleted in azoospermia 4 (DAZ4), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208193 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MSAANPETPNSTISREASTQSSSAAASQGWLPPEGKIVPNTVFGGIDARMDETEIGSCFGRYGSVKEVK IITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFGKKLKLGPARKQKLCARHVQPRPLVNP PPPPQFQ NWRNPNTETYLQPQITPNPVTQHVQAYSAYPHSPGQVITGCQLLVYNYQEYPTYPDSAFQVTTGYQLPV YNYQFPAYPRSPFQVTAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNYQFPAYPSSPFQVTAGYQL PVYNYQAFPAYPNSPFQVATGYQFPVYNYQAFPAYPNSPVQVTTGYQLPVYNYQAFPAYPNSAVQVTTGY QFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCLIQRRD  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	43.9 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_065153</a></u>


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Locus ID: 57135

UniProt ID: [Q86SG3](#)

RefSeq Size: 3388

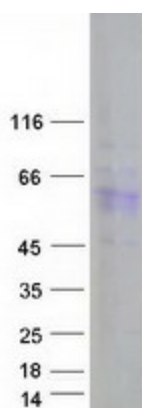
Cytogenetics: Yq11.23

RefSeq ORF: 1170

Synonyms: pDP1680; pDP1681

**Summary:** This gene is a member of the DAZ gene family and is a candidate for the human Y-chromosomal azoospermia factor (AZF). Its expression is restricted to premeiotic germ cells, particularly in spermatogonia. It encodes an RNA-binding protein that is important for spermatogenesis. Four copies of this gene are found on chromosome Y within palindromic duplications; one pair of genes is part of the P2 palindrome and the second pair is part of the P1 palindrome. Each gene contains a 2.4 kb repeat including a 72-bp exon, called the DAZ repeat; the number of DAZ repeats is variable and there are several variations in the sequence of the DAZ repeat. Each copy of the gene also contains a 10.8 kb region that may be amplified; this region includes five exons that encode an RNA recognition motif (RRM) domain. This gene contains two copies of the 10.8 kb repeat. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2011]

## Product images:



Coomassie blue staining of purified DAZ4 protein (Cat# TP308193). The protein was produced from HEK293T cells transfected with DAZ4 cDNA clone (Cat# [RC208193]) using MegaTran 2.0 (Cat# [TT210002]).