

Product datasheet for PH308193

Deleted in azoospermia 4 (DAZ4) (NM_020420) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DAZ4 MS Standard C13 and N15-labeled recombinant protein (NP_065153)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208193
Predicted MW:	44.1 kDa
Protein Sequence:	>RC208193 protein sequence Red=Cloning site Green=Tags(s)

MSAANPETPNSTISREASTQSSAAASQGWVLPFGKIVPNTVFGGIDARMDETEIGSCFGRYGSVKEVK
IITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFGKLLKLGPAIRKQKLCARHVQPRPLVYNPPPPQFQ
NVWRNPNTETYLQPQITPNPVTQHVQAYSAYPHSPGQVITGCQLLVYNYQEYPTYPDQSAFQVTTGYQLPV
YNYQFPAYPRSPFQVTAGYQLPVYNYQAFPAYPNPSPFQVATGYQFPVYNYQFPAYPSSPFQVTAGYQL
PVYNYQAFPAYPNPSPFQVATGYQFPVYNYQAFPAYPNPSPVQVTTGYQLPVYNYQAFPAYPNSAVQVTTGY
QFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCLIQRRD

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_065153
RefSeq Size:	3388
RefSeq ORF:	1170
Synonyms:	pDP1680; pDP1681
Locus ID:	57135



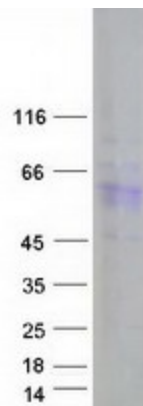
[View online »](#)

UniProt ID: [Q86SG3](#), [Q658T2](#), [Q86SG3-2](#)

Cytogenetics: Yq11.23

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]).