

## Product datasheet for PH305328

### DAZL (NM\_001351) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DAZL MS Standard C13 and N15-labeled recombinant protein (NP_001342)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205328
Predicted MW:	33 kDa
Protein Sequence:	>RC205328 representing NM_001351 Red=Cloning site Green=Tags(s)  MSTANPETPNSTISREASTQSSAATSQGYILPEGKIMPNTVFVGGIDVRMDETEIRSFYARYGYSVKEVK IITDRTGVSKGYGFVSFFNDVDVQKIVESQINFHGKLLKLPKPAIRKQNLCAHYVQPRPLVFNHPPPPQFQ NVWTNPNTETYMPTTTMNPITQYVQAYPTYPNSPVQVITGYQLPVYNYQMPPQWPVGEQRSYVPPAYS AVNYHCNEVDPGAEEVVPNECSVHEATPPSGNGPQKKSVDRSIQTVVVSCLFNPENRLRNSVVTQDDYFKDK RVHHFRSRAMLKSV  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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001342</a>
RefSeq Size:	3056
RefSeq ORF:	885
Synonyms:	DAZH; DAZL1; DAZLA; SPGYLA
Locus ID:	1618



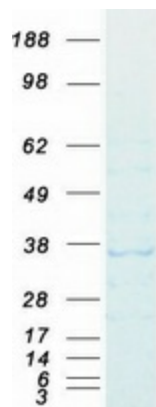
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UniProt ID: [Q92904](#), [AOA140VK77](#)

Cytogenetics: 3p24.3

**Summary:** The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

### Product images:



Coomassie blue staining of purified DAZL protein (Cat# [TP305328]). The protein was produced from HEK293T cells transfected with DAZL cDNA clone (Cat# [RC205328]) using MegaTran 2.0 (Cat# [TT210002]).