

Recombinant Human DAZ4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DAZ4-4134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DAZ4 MS Standard C13 and N15-labeled recombinant protein (NP_065153) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	44.1 kDa
AA Sequence	MSAANPETPNSTISREASTQSSSAAASQGWLPPEGKIVPNTVFVGGIDARMDETEIG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SCFGRYGSVKEVKIITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFGKKLKLGP
AIR
KQKLCARHVQPRPLVNNPPPPQFQNVWRNPNTETYLQPQITPNPVTQHVQAYSA
YPHSPGQVITGCQLLVYNYQEYPTYPDSAFQVTTGYQLPVYNYQPFPA
YPRSPFQV
TAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNYQPFPA
YSSPFQV
TAGYQLPV
YNYQAFPAYPNSPFQVATGYQFPVYNYQAFPAYPNSPVQVTTGYQLPVYNYQAFP
AYPNSAVQVTTGYQFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCLIQRRDT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DAZ4 deleted in azoospermia 4 [Homo sapiens (human)]

Official Symbol DAZ4

Synonyms DAZ4; deleted in azoospermia 4; deleted in azoospermia protein 4; pDP1680; pDP1681;

Gene ID 57135

mRNA Refseq NM_020420

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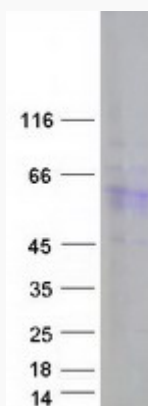
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Protein Refseq NP_065153

MIM 400048

UniProt ID Q86SG3

SDS-PAGE



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