



# Recombinant Human Deleted in azoospermia protein 4 (DAZ4)

<b>Product Code</b>	CSB-YP769764HU
<b>Abbreviation</b>	DAZ4
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q86SG3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSAANPETPN STISREASTQ SSSAAASQGW VLPEGKIVPN TVFVGGIDAR MDETEIGSCF GRYGSVKEVK IITNRTGVSK GYGFVSFVND VDVQKIVGSQ IHFHGKCLKL GPAIRKQKLC ARHVQPRPLV VNPPPPPQFQ NVWRNPNTET YLQPQITPNP VTQHVQSAAN PETPNSTISR EASTQSSSAA ASQGWVLPEG KIVPNTVSVG GIDARMDETE IGSCFGRYGS VKEVKIITNR TGVSKGYGFV SFDNDVDVQK IVGSQIHFHG KKLKLGPAIR KQKLCARHVQ PRPLVVNPPP PPQFQNVWRN PNTETYLQPQ ITPNPVTQHV QAYSAYPHSP GQVITGCQLL VYNYQEYPTY PDSAFQVTTG YQLPVYNYQP FPAYPRSPFQ VTAGYQLPVY NYQAFPAYPN SPFQVATGYQ FPVYNYQFPF AYPSSPFQVT AGYQLPVYNY QAFPAYPNP FQVATGYQFP VYNYQAFPAY PNPVQVTTG YQLPVYNYQA FPAYPSSPFQ VTTGYQLPVY NYQAFPAYPN SAVQVTTGYQ FHVYNYQMPP QCPVGEQRRN LWTEAYKWWY LVCLIQRRD
<b>Source</b>	Yeast
<b>Target Names</b>	DAZ4
<b>Protein Names</b>	Recommended name: Deleted in azoospermia protein 4
<b>Expression Region</b>	1-579
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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. Alternative splicing results in multiple transcript variants encoding different isoforms.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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