

Recombinant Human DAZ4, GST-tagged

Cat. No. DAZ4-11835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAZ4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-343a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION
Gene Name

DAZ4 deleted in azoospermia 4 [Homo sapiens]

Official Symbol

DAZ4

Synonyms

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

Gene ID

57135

mRNA Refseq

NM_001005375

Protein Refseq

NP_001005375

UniProt ID

Q86SG3

**Chromosome
Location**

Yq11

Function

RNA binding; nucleotide binding;

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