

Recombinant Human DAZ1 Protein, GST-tagged

Cat. No. DAZ1-2354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DAZ1 partial ORF (AAH18119, 21 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 three copies of the 10.8 kb repeat. However, no transcripts containing three copies of the RRM domain have been described; thus the RefSeq for this gene contains only two RRM domains. [provided by RefSeq, Jul 2008]
Molecular Mass	36.74 kDa
AA Sequence	SSSAAASQGWVLPEGKIVPNTVFVGGIDARMDETEIGSCFGRYGSVKEVKIITNRTG

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VSKGYGFVSFVNDVDVQKIVGSQIHFGKKLKLGP AIRKQKLC

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DAZ1 deleted in azoospermia 1 [Homo sapiens]

Official Symbol

DAZ1

Synonyms

DAZ1; deleted in azoospermia 1; DAZ, deleted in azoospermia; deleted in azoospermia protein 1; SPGY; DAZ; FLJ17175;

Gene ID

1617

mRNA Refseq

NM_004081

Protein Refseq

NP_004072

MIM

400003

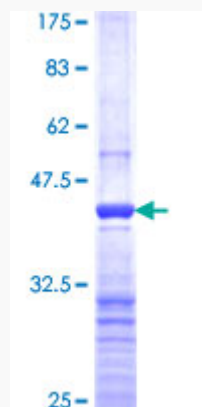
UniProt ID

Q9NQZ3

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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