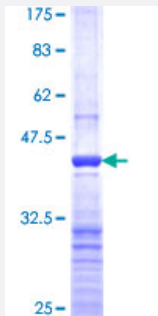


DAZ1 (Human) Recombinant Protein (Q01)

Catalog # H00001617-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DAZ1 partial ORF (AAH18119, 21 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSSAAASQGWVLPEGKVPNTVFVGGIDARMDETEIGSCFGRYGSVKEVKIITNRTGVSKGYGFVS FVNDVDVQKIVGSQIHFGKKLKLGPARKQKLC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DAZ1

Entrez GeneID [1617](#)

GeneBank Accession# [NG_004755](#)

Protein Accession# [AAH18119](#)

Gene Name DAZ1

Gene Alias DAZ, SPGY

Gene Description deleted in azoospermia 1

Omim ID [400003](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations deleted in azoospermia

Disease

- [Azoospermia](#)

- [Chromosome Deletion](#)
- [Infertility](#)
- [Oligospermia](#)
- [Sex Chromosome Aberrations](#)
- [Sex Chromosome Disorders of Sex Development](#)