

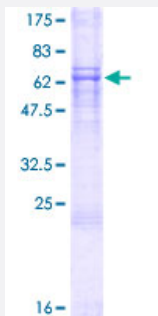
Full-Length

DAZ4 (Human) Recombinant Protein (P01)

Catalog # H00057135-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human DAZ4 full-length ORF (NP_065153.1, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSAANPETPNSTISREASTQSSSAAASQGWVLPEGKVPNTVFVGGIDARMDTEIGSCFGRYGS
VKEVKIITNRTGVSKGYGFVSFVNDVDVQKMGSIHFHGKKLKLGPARKQKLCARHVQPRPLVV
NPPPPPQFQNVWRNPNTETYLQPQITPNPVTQHVQAYSAYPHSPGQVITGCQLLVYNYQEYPTYP
DSAFQVTTGYQLPVYNYQFPAYPRSPFQVTAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNY
QFPAYPSSPFQVTAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNYQAFPAYPNSPVQVTTGY
QLPVYNYQAFPAYPNSAVQVTTGYQFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCLIQRRD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.5

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 — DAZ4

Entrez GeneID [57135](#)

GeneBank Accession# [NM_020420.2](#)

Protein Accession# [NP_065153.1](#)

Gene Name DAZ4

Gene Alias DAZ, DAZ1, pDP1680, pDP1681

Gene Description deleted in azoospermia 4

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 two copies of the 10.8 kb repeat. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations deleted in azoospermia 1

Disease

- [Oligospermia](#)