

Recombinant Human DAZ4 Protein, GST-tagged

Cat. No. DAZ4-2356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DAZ4 full-length ORF (NP_065153.1, 1 a.a. - 390 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 two copies of the 10.8 kb repeat. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2011]
Molecular Mass	70.5 kDa
AA Sequence	MSAANPETPNSTISREASTQSSSAAASQGWLPPEGKIVPNTVFVGGIDARMDETEIGSCFGRYGSVKEVKIITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFGKKLKLGP

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KQKLCARHVQPRPLVNP PPPPQFQNVWRNPNTETYLQPQITPNPVTQHVQAYSA
 YPHSPGQVITGCQLLVYNYQEYPTYPDSAFQVTTGYQLPVYNYQPFPAYPSPFQV
 TAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNYQPFPAYPSSPFQVTAGYQLPV
 YNYQAFPAYPNSPFQVATGYQFPVYNYQAFPAYPNSPVQVTTGYQLPVYNYQAFP
 AYPNSAVQVTTGYQFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCLIQRD

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

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

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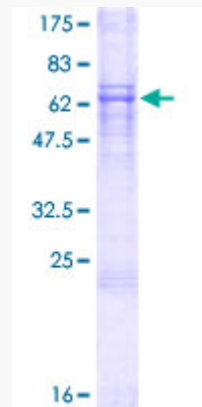
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UniProt ID

Q86SG3

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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