

Recombinant Full Length Human DAZ4 Protein, GST-tagged

Cat. No. DAZ4-2542HF **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	In Vitro Cell Free System
ProteinLength	390 amino acids
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	MSAANPETPNSTISREASTQSSSAAASQGWVLPKGKIVPNTVFVGGIDARMDETEIG

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SCFGRYGSVKEVKIITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFGKKLKLGP
 KQKLCARHVQPRPLVNP PPPPQFQNVWRNPNTETYLQPQITPNPVTQH
 VQAYSA
 YPHSPGQVITGCQLLVYNYQEYPTYPDSAFQVTTGYQLPVYNYQPF
 PAYPRSPFQV
 TAGYQLPVYNYQAFPAYPNSPFQVATGYQFPVYNYQFPAYPSSPFQV
 TAGYQLPV
 YNYQAFPAYPNSPFQVATGYQFPVYNYQAFPAYPNSPVQVTTGYQLPV
 YNYQAFP
 AYPNSAVQVTTGYQFHVYNYQMPPQCPVGEQRRNLWTEAYKWWYLVCL
 IQRRD

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

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Protein Refseq	NP_001005375
MIM	400048
UniProt ID	Q86SG3

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