

Recombinant Human DAZL, GST-tagged

Cat. No. DAZL-11838H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAZL protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-295a.a.
Description	The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	DAZL deleted in azoospermia-like [Homo sapiens]
Official Symbol	DAZL
Synonyms	DAZL; deleted in azoospermia-like; DAZLA; DAZH; DAZL1; MGC26406; SPGYLA; DAZ homolog; DAZ-like autosomal; SPGY-like-autosomal; deleted in azoospermia-like 1; germline specific RNA binding protein; spermatogenesis gene on the Y-like autosomal;
Gene ID	1618
mRNA Refseq	NM_001190811
Protein Refseq	NP_001177740
MIM	601486
UniProt ID	Q92904
Chromosome Location	3p24
Pathway	Ovarian Infertility Genes, organism-specific biosystem;
Function	RNA binding; nucleic acid binding; nucleotide binding; protein binding; translation activator activity;

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