

## Gene Section

### Short Communication

# HCMOGT-1 (sperm antigen HCMOGT-1)

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### Identity

**Other names:** HCMOGT-1 (sperm antigen HCMOGT-1); HCMOGT-1

**HGNC (Hugo):** CYTSB

**Location:** 17p11.2

### DNA/RNA

#### Description

2,7 Kb; coding sequence: 2,2Kb.

### Protein

#### Description

759 amino acids; 84, 92 KDa; contains coiled-coil domains.

#### Expression

Widely expressed.

### Implicated in

**t(5;17)(q33;p11.2) --> PDGFRB / HCMOGT-1**

#### Disease

Juvenile myelomonocytic leukemia.

#### Hybrid/Mutated gene

5' HCMOGT-1/3' PDGFRB.

### References

Moreiro C, Aquila M, Rosanda C, Rapella A, Dufour C, Locatelli F, Maserati E, Pasquali F, Panarello C. HCMOGT-1 Is a Novel Fusion Partner to PDGFRB in Juvenile Myelomonocytic Leukemia with t(5;17)(q33;p11.2). *Cancer Research* 2004;64(8):2643-2648

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