

## Gene Section

### Short Communication

## TFG (TRK-fused gene)

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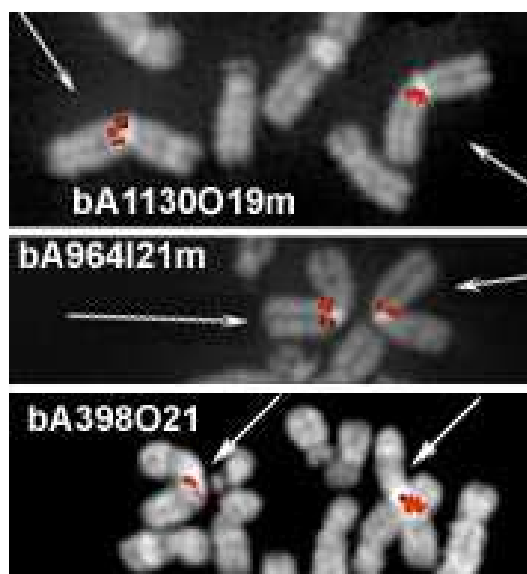
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### Identity

Other names: TF6

HGNC (Hugo): TFG

Location: 3q11-q12



Probe(s) - Courtesy Mariano Rocchi, Resources for Molecular Cytogenetics.

### DNA/RNA

#### Description

39.51 kbp.

#### Transcription

8 exons; 1948 bp mRNA.

#### Pseudogene

one (NB5M\_HUMAN.Human.2.v2.chr1C.mbl.220)

### Protein

#### Description

400-amino acid protein with a putative N-terminal coiled-coil structure and an SPYGQ-rich region similar to N-terminal parts of EWSR1 and FUS.

#### Expression

Ubiquitously expressed.

#### Localisation

Not examined (TFG-ALK fusion protein is localized in cytoplasm).

#### Function

Unknown.

#### Homology

Homologous to murine Tfg.

### Implicated in

#### Anaplastic large cell lymphoma

##### Cytogenetics

t(2;3)(p23;q21).

##### Hybrid/Mutated gene

TFG-ALK.

##### Abnormal protein

TFG-ALK(S)(85 kD), TFG-ALK(L)(97 kD), TFG-ALK(XL)(113 kD).

#### Thyroid papillary carcinoma

##### Cytogenetics

t(1;3)(q21;q11).

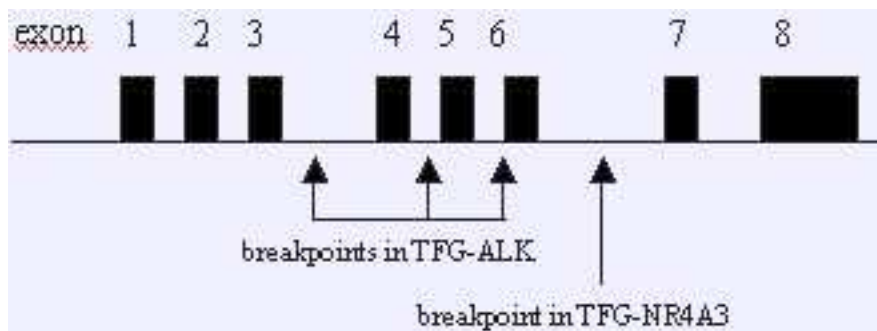
##### Hybrid/Mutated gene

TFG-NTRK1.

**Abnormal protein**  
TFG-NTRK1.

**Extraskeletal myxoid chondrosarcoma**  
**Hybrid/Mutated gene**  
TFG-NR4A3.

## Breakpoints



## References

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