

## Gene Section

### Short Communication

# BCAS4 (breast carcinoma amplified sequence 4)

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Published in Atlas Database: May 2004

Online updated version: <http://AtlasGeneticsOncology.org/Genes/BCAS4ID767.html>

DOI: 10.4267/2042/38090

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## Identity

**Other names:** BHLHB4; FLJ20495

**HGNC (Hugo):** BCAS4

**Location:** 20q13



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

## DNA/RNA

### Description

Spans 82 kb; orientation direct strand; 19 exons.

### Transcription

Alternate splicings.

## Protein

### Expression

Ubiquitous.

### Localisation

Cytoplasmic.

## Implicated in

***BCAS4 is overexpressed in 3.5% of breast cancers, and a hybrid gene BCAS4-BCAS3 was found in breast cancer cell line with a t(17;20)(q23;q13)***

### Hybrid/Mutated gene

5' BCAS4 is fused to the 2 last exons (23 and 24) of BCAS3; transcript includes exon 1 from BCAS4 and 21 bp from BCAS3 exon 23; it encodes a 66 aminoacids protein; no reciprocal transcript.

## References

Barlund M, Monni O, Weaver JD, Kauraniemi P, Sauter G, Heiskanen M, Kallioniemi OP, Kallioniemi A. Cloning of BCAS3 (17q23) and BCAS4 (20q13) genes that undergo amplification, overexpression, and fusion in breast cancer. *Genes Chromosomes Cancer* 2002;35:311-317

*This article should be referenced as such:*

Huret JL, Senon S. BCAS4 (breast carcinoma amplified sequence 4). *Atlas Genet Cytogenet Oncol Haematol.* 2004; 8(3):200.