



# Recombinant Protein Technical Manual

## Recombinant Human BCAS2/DAM1 Protein (His & T7 Tag)

RPES3343

### Product Data:

**Product SKU:** RPES3343

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O75934

### Protein Information:

**Molecular Mass:** 28.6 kDa

**AP Molecular Mass:** 60 kDa

**Tag:** C-6His, N-T7

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 200mM NaCl, 2mM DTT, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Pre-mRNA-Splicing Factor SPF27; Breast Carcinoma-Amplified Sequence 2; DNA Amplified in Mammary Carcinoma 1 Protein; Spliceosome-Associated Protein SPF 27; BCAS2; DAM1

## Immunogen Information:

**Sequence:** Ala2-Phe225

## Background:

Breast Carcinoma-Amplified Sequence 2 (BCAS2) is a member of the SPF27 family. BCAS2 is a nuclear protein and widely expressed in many tissues. BCAS2 is identified as being overexpressed in various breast cancer cell lines. BCAS2 is a component of the spliceosome, taking part in the removal of introns from mRNA precursors. BCAS2 interacts with estrogen receptor alpha and beta, thyroid hormone receptor beta, peroxisome proliferator-activated receptor gamma. BCAS2 functions as an ER co-activator and is capable of enhancing ER-mediated transcription.