

Recombinant Human BCAS2 protein, His-tagged

Cat. No. BCAS2-3435H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCAS2(1-225aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-225 a.a.
Description	BCAS2, also known as pre-mRNA-splicing factor SPF27, is a ubiquitously expressed nuclear protein that was originally identified as being overexpressed in various breast cancer cell lines. It is now known to be a component of the spliceosome, participating in the removal of introns from mRNA precursors. BCAS2 specifically interacts (in a ligand-independent manner) with TRbeta (thyroid hormone receptor beta), ERalpha (estrogen receptor alpha), ERbeta, PR (progesterone receptor) and PPARgamma (peroxisome proliferator-activated receptor gamma). This protein functions as an ER co-activator and is capable of enhancing ER-mediated transcription. This suggests that BCAS2 is involved in the development of breast cancer.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl.
Molecular Mass	30.3kDa (261aa), confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAGT GLVAGEVVVD

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ALPYFDQGYE APGVREAAAA LVEEETRRYR PTKNYLSYLT APDYSAFETD
 IMRNEFERLA ARQPIELLSM KRYELPAPSS GQKNDITAWQ ECVNNSMAQL
 EHQAVRIENL ELMSQHGCNA WKVYNENLVH MIEHAQKELQ KLRKHIQDLN
 WQRKNMQLTA GSKLREMESN WVSLVSKNYE IERTIVQLEN EIYQIKQQHG
 EANKENIRQD F

Purity >85% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [BCAS2 breast carcinoma amplified sequence 2 \[Homo sapiens \]](#)

Official Symbol [BCAS2](#)

Synonyms BCAS2; breast carcinoma amplified sequence 2; pre-mRNA-splicing factor SPF27; DAM1; Snt309; SPF27; breast carcinoma-amplified sequence 2; spliceosome-associated protein SPF 27; DNA amplified in mammary carcinoma 1 protein; spliceosome associated protein, amplified in breast cancer;

Gene ID [10286](#)

mRNA Refseq [NM_005872](#)

Protein Refseq [NP_005863](#)

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MIM	605783
UniProt ID	O75934
Chromosome Location	1p13.2
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, 35S U5-snRNP, organism-specific biosystem; Spliceosome, Prp19/CDC5L complex, organism-specific biosystem;

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