Caspase 11 (CASP11) Recombinant Protein | CASP11 recombinant protein

Recombinant Caspase 11 (CASP11)

CATALOG #	HOST	APPLICATIONS
AAA135518	**E.coli**	**Western Blot, SDS-Page**

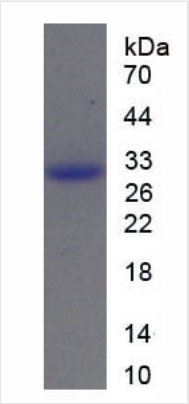
PRODUCT SYNONYMS

Caspase 11 (CASP11); Recombinant Caspase 11 (CASP11); CASP11 recombinant protein

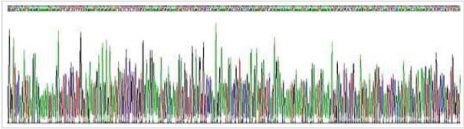
PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for CASP11 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Arg969~Trp1165
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	10.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Gene Sequence
Gene Sequencing (extract

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        RS RSRSRSPSRL RTKSKSSSFG RNERDNYSPR WKERWTNDGW
RCPRGNDRYR RNDSEKQNEN TRNEKNDITA DSNDPSSTDK HRSDCPSWVT
EKINSGPDPR TRNPEKLKDS HWEENRNENS GNSWTKNFGP GWMSSRGRGG
RGKGAYRGNF ACNDQSENRW QSRTPLSGSD SFKSAEQQPS KRKSEQELSF
GTAADRSGWT SASSW
```

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	117647277
NCBI GeneID	72193
NCBI Accession #	NP_082424.2
NCBI GenBank Nucleotide #	NM_028148.2
UniProt Accession #	E9PZM7
Molecular Weight	Predicted Molecular Mass: 26.4kDa Accurate Molecular Mass: 31kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	splicing factor, arginine/serine-rich 2, interacting protein
NCBI Official Synonym Full Names	SR-related CTD-associated factor 11
NCBI Official Symbol	Scaf11
NCBI Official Synonym Symbols	SIP1; CASP11; SRRP129; Sfrs2ip; Srsf2ip; AI462454; mKIAA3013; 1110061H03Rik; 2610510E10Rik
NCBI Protein Information	splicing factor, arginine/serine-rich 2, interacting protein; serine/arginine-rich splicing factor 2, interacting protein
UniProt Protein Name	Protein Scaf11
UniProt Gene Name	**Scaf11**
UniProt Entry Name	E9PZM7_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/scaf11-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135518