Caspase 11 Recombinant Protein | CASP11 recombinant protein

Recombinant Caspase 11 (CASP11)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA143979	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

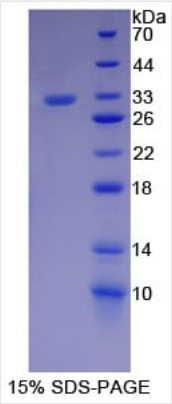
PRODUCT SYNONYMS

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

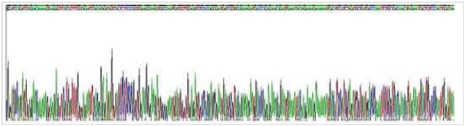
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for CASP11 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg944~Trp1148
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	9.9
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 20mM Tris, 150mM NaCl (pH8.0) 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°C. Aliquot and store at -80°C. **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°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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                                                RCRTKSK
SSSFGRIDRD SYSPRWKGRW ANDGWRCPRG NDRYRKNDPE KQNENTRKEK
NDIHLDADDP NSADKHRNDC PNWITEKINS GPDPRTRNPE KLKESHWEEN
RNENSGNSWN KNFGSGWVSN RGRGRGNRGR GTYRSSFAYK DQNENRWQNR
KPLSGNSNSS GSESFKFVEQ QSYKRKSEQE FSFDTPADRS GWTSASSW
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Sequence

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted Molecular Mass: 27.7kDa Accurate Molecular Mass: 32kDa as determined by SDS-PAGE reducing conditions.

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/caspase-11-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/143979