

Casein Kappa Recombinant Protein | CSN3 recombinant protein

Recombinant Casein Kappa (CSN3)

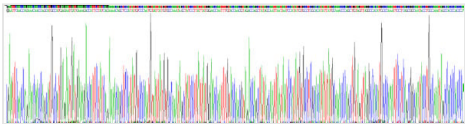
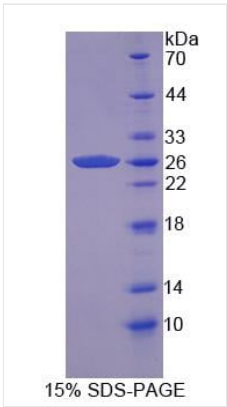
CATALOG # AAA144209	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Casein Kappa; Recombinant Casein Kappa (CSN3); CSN3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
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 CSN3 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asn24~Thr181
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.0
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.



Identification
Figure. Gene Sequencing (Extract)

SDS-PAGE

VPNSYPYYGT NLYQRRPAIA NQKQPAC HENDERPFYQ KTAPYVPMYY
NSHPPTVVRP PNLHPSFIAI INNPYVPRTY YANPAVVRPH AQIPQRQYLP
TVDSVVTPEA FSESIIITSP ETTTAVTTP T

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	119626019
NCBI GeneID	1448
Molecular Weight	Predicted Molecular Mass: 21.4kDa Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	casein kappa
NCBI Official Synonym Full Names	casein kappa
NCBI Official Symbol	CSN3
NCBI Official Synonym Symbols	KCA; CSNK; CNS10; CSN10
NCBI Protein Information	kappa-casein
UniProt Protein Name	Kappa-casein
UniProt Gene Name	CSN3
UniProt Synonym Gene Names	CASK; CSN10; CSNK
UniProt Entry Name	CASK_HUMAN

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.