

Datasheet for ABIN3136748

CASKIN2 Protein (AA 1-1201) (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CASKIN2
Protein Characteristics:	AA 1-1201
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CASKIN2 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MGREQDLILA VKNGDVTCVQ KLVAKVKA AK TKLLGSTKRL NINYQDADGF SALHHAALGG SLELIALLLE AQATVDIKDS NGMRPLHYAA WQGRLEPVRL LLRASAAVNA ASLDGQIPLH LAAQYGHYEV SEMLLQHQS N PCLVNKLLKT PLDLACEFGR LKVAQLLLNS HLCVALLEGE AKDPCDPNYT TPLHLAAKNG HREVRQLLK AGIEINRQTK TGTALHEAAL YGKTEVVRLL LEGGVDVNIR NTYNQTALDI VNQFTTSQAS REIKQLLREA SGILKVRALK DFWNLHDPTA LNV RAGDVIT VLEQHPDGRW KGHIESQRG TDRVGYPFG IVEVSKRVG IPVARLPSAP TPLRPSFSRI SQPAADDPLP SVPYGQLPRV GLSPDSPAGD RNSVGSEGSV GSIRSAGSGQ SSEGTNGHGT GLLIEN AQPL PSASEDQGLP GLHAPSPADN LSHRPLAGYR SGEIFTQDVR PEQLLEGKDA QAIHNWLSEF QLEGYTAHFL QAGYDVPTIS RMTPELDTAI GVTKPGHRKK IASEIAQLSI AEWLPNYIPV DLLEWLCALG LPQYHKQLVS SGYDSMGLVA DLTWEELQEI GVNKLGHQKK LMLGVKRLAE LRRGLLHGEA LGEGGRRMTR GPELMAIEGL ENGEPTTAG PRLLTFQGSE LSP ELQAAMA GGGSEPLPLP PARSPSQESI GARSRGSGHS QEQPVPQPSV
-----------	--

GDPSAPQERN LPEGTERPSK LCSPLPGQGP APYVFMCPQN LPSSPAPGPP PGVPRAFSYL
AGSPAAPPDP PRPKRRSHSL SRPGPAEGEA EGAEAGPVGS ALGSYATLTR RPGRSTLART
SPSLTPTRGT PRSQSFALRA RRGKPPPPPP KRLSSVSGST EPPSLDGTSG PKEGATGPRR
RTLSEPTGPS ESPGPSAPTG PVSDTEEEPG PEGTPPSRGS SGEGLPFAEE GNLTIKQRPK
PAGPPPRET PVPGLDFNLT ESDTVKRRPK CKEREPLQTA LLAFGVVGSD TPGPSNPLST
QAPCDPPSAS SNPPQRSEPS VLPSQGTSAS SLSSVTQSPG HPGPSAGPAL ANSTGSKPNV
ETEPPAPPAA LLKVPAGAGTA PKPVSVACTQ LAFSGPKLAP RLGP RPVPPP RPENTGPVCP
GRAQQRLEQT SSSLEAALRA AEKSIGTEER DGPTGTSTKH ILDDISTMFD ALADQLDAML D

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Caskin2 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protParam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.

Product Details

2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity: >95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility: 0.22 µm filtered

Endotoxin Level: Protein is endotoxin free.

Grade: Crystallography grade

Target Details

Target: CASKIN2

Alternative Name: Caskin2 ([CASKIN2 Products](#))

Molecular Weight: 127.7 kDa Including tag.

UniProt: [Q8VHK1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Comment: Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Handling

Expiry Date: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process