

Datasheet for ABIN3118010

INTS2 Protein (AA 1-1204) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	INTS2
Protein Characteristics:	AA 1-1204
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This INTS2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MKDQQTVIMT ECTSLQFVSP FAFEAMQKVD VVCLASLSDP ELRLLLPCLV RMALCAPADQ</p> <p>SQSWAQDKKL ILRLLSGVEA VNSIVALLSV DFHALEQDAS KEQQLRHKLK GSGGESILVS</p> <p>QLQHGLTLEF EHSDSPRRLR LVLSELLAIM NKVSENGEF FFKSSELFES PVYLEEAADV</p> <p>LCILQAELPS LLPIVDVAEA LLHVRNGAWF LCLLVANVPD SFNEVCRGLI KNGERQDEES</p> <p>LGGRRRTDAL RFLCKMNPSQ ALKVRGMVVE ECHLPGLGVA LTLDTKNEA CEDGVSDLVC</p> <p>FVSGLLLTGN AKVRTWFGTF IRNGQQRKRE TSSSVLWQMR RQLLLELMGI LPTVRSTRIV</p> <p>EEADVDMEPN VSVYSGLKEE HVVKASALLR LYCALMGIAK LKPTEEAEQ LLQLMTSRPP</p> <p>ATPAGVRFVS LSFCLLLAFS TLVSTPEQEQ LMVVWLSWMI KEEAYFESTS GVSASFGEML</p> <p>LLVAMYFHSN QLSAIDLVC STLGMKIVIK PSSLSRMKTI FTQEIFTEQV VTAHAVRVPV</p> <p>TSNLSANITG FLPIHCYQL LRSRSFTKHK VSIKDWIYRQ LCETSTPLHP QLLPLIDVYI</p> <p>NSILTPASKS NPEATNQPVT EQEILNIFQG VIGGDNIRLN QRFSITAQLL VLYYILSYEE</p>

ALLANTKTLA AMQRKPKSYS SSLMDQIPIK FLIRQAQGLQ QELGGLHSAL LRLLATNYPH
LCIVDDWICE EEITGTDALL RRMLLTNNAK NHSPKQLQEA FSAVPVNNTQ VMQIIEHLTL
LSASELIPYA EVLTSNMSQL LNSGVPRRIL QTVNKLWMVL NTVMPRRLWV MTVNALQPSI
KFVRQQKYTQ NDLMDPLIV LRCDQRVHRC PPLMDITLHM LNGYLLASKA YLSAHLKETE
QDRPSQNNTI GLVGQTDAPV VTREELKNAL LAAQDSAAVQ ILLEICLPTE EEKANGVNP
SLLRNVQSVI TTSAPNKGME EGEDNLLCNL REVQCLICCL LHQMYIADPN IAKLVHFQGY
PCELLPLTVA GIPSMHICLD FIPELIAQPE LEKQIFAIQL LSHLCIQYAL PKSLSVARLA
VNVMGTLLTV LTQAKRYAFF MPTLPSLVSF CRAFTPLYED IMSLLIQIGQ VCASDVATQT
RDIDPIITRL QQIKEKPSGW SQICKDSSYK NGSRTDGSMD PDVQLCHCIE RTVIEIINMS VSGI

Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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 try to ensure that you receive soluble 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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Product Details

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification: One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: INTS2

Alternative Name: INTS2 ([INTS2 Products](#))

Background: Integrator complex subunit 2 (Int2),FUNCTION: Component of the Integrator (INT) complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes (Probable). Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex (PubMed:23904267).
{ECO:0000269|PubMed:23904267, ECO:0000305|PubMed:16239144}.

Molecular Weight: 134.3 kDa

UniProt: [Q9H0H0](#)

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.

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Application Details

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Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months