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Datasheet for ABIN7554856
PATL1 Protein (AA 1-770) (His tag)

Overview

Quantity:	1 mg
Target:	PATL1
Protein Characteristics:	AA 1-770
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PATL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PATL1 Protein expressed in mammalien cells.
Sequence:	MFRYESLEDC PLDEDEDAFQ GLGEEDEEID QFNDDTFGSG AVDDDWQEAH ERLAELEEKL PVAVNEQTGN GERDEMDLLG DHEENLAERL SKMVIENELE DPAIMRAVQT RPYLQPPQGS LNSSIWDGSE VLRRIRGPLL AQEMPTVSVL EYALPQRPPQ GPEDDRDLSE RALPRRSTSP IIGSPPVRAV PIGTPPKQMA VPSFTQQILC PKPVHVRPPM PPRYPAPYGE RMSPNQLCSV PNSSLLGHPF PPSVPPVLSL LQRAQLLGGG QLQPGRMSPS QFARVPGFVG SPLAAMNPKL LQGRVGMQLP PAPGFRAFFS APPSATPPPQ QHPPGPGPHL QNLRSQAPMF RPDTHLHPQ HRRLLHQRQQ QNRSQHRNLN GAGDRGSHRS SHQDHLRKDP YANLMLQREK DWVSKIQMMQ LQSTDPYRDD FYYQNYFEKL EKLSAAEEIQ GDGPKKERTK LITPQVAKLE HAYKPVQFEG SLGKLTVSSV NNPRKMIDAV VTSRSEDDT KEKQVRDKRR KTLVIEKTY SLLLDVEDYE RRYLLSLEEE RPALMDDRKH KICSMYDNLG GKLPGQERPS DDHFVQIMCI RKGKRMVARI LPFLSTEQAA DILMTTARNL PFLIKKDAQD EVLPCLLSPF SLLLYHLPSV SITSLLRQLM

Product Details

NLPQSAATPA LSNPHLTAVL QNKFGLSLLL ILLSRGEDLQ SSDPATESTQ NNQWTEVMFM
ATRELLRIPQ AALAKPISIP TNLVSLFSRY VDRQKLNLE TKLQLVQGIR **Sequence without tag.**
The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PATL1

Alternative Name:

PATL1 ([PATL1 Products](#))

Background:

Protein PAT1 homolog 1 (PAT1-like protein 1) (Protein PAT1 homolog b) (Pat1b) (hPat1b),FUNCTION: RNA-binding protein involved in deadenylation-dependent decapping of mRNAs, leading to the degradation of mRNAs (PubMed:17936923, PubMed:20543818, PubMed:20584987, PubMed:20852261). Acts as a scaffold protein that connects deadenylation and decapping machinery (PubMed:17936923, PubMed:20543818, PubMed:20584987, PubMed:20852261). Required for cytoplasmic mRNA processing body (P-body) assembly (PubMed:17936923, PubMed:20543818, PubMed:20584987, PubMed:20852261).
{ECO:0000269|PubMed:17936923, ECO:0000269|PubMed:20543818,

Target Details

ECO:0000269|PubMed:20584987, ECO:0000269|PubMed:20852261}, FUNCTION: (Microbial infection) In case of infection, required for translation and replication of hepatitis C virus (HCV). {ECO:0000269|PubMed:19628699}.

Molecular Weight: 86.9 kDa

UniProt: [Q86TB9](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months