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Datasheet for ABIN3135748
THSD7B Protein (AA 32-1607) (rho-1D4 tag)

Overview

Quantity:	1 mg
Target:	THSD7B
Protein Characteristics:	AA 32-1607
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THSD7B protein is labelled with rho-1D4 tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: AHLEGRKDNQ FLWKTGPWGR CAGDCGPGGA QSRAVWCFHI EGWTSPMSNC DESSQPPKER
 SCFRVCDWHS DLFQWEVSDW HRCLLVPGAQ GEPRPRAVEC VTAQHGLQHR TVRCLQKLN
 TMVSNEICEH FAPQPTEQA CLIPCRDCV VSEFSPWSTC PEGCGKKLQH RTRVAIAPPL
 YGGLQCPNLT ESRACEAPVS CPLGKEEYSF SLKVGWWSKC RPLHLKEVDL SGRNIQDFSS
 DSNEQVTLTH QSYKAHHHSQ PGDVVIGFQT RQVWCTRS DG RNALLSLCVR DSFPLTVQPC
 VMPKDCETSE WSPWSPCSKT CRSGTLSPGV RSRSRNVKHI AIGGGQECPE LLEKETCIAE
 GEFLQPCPRY SWRTSEWKEC QVSLLEQHD PLWHETGPIC GGGIQTREYV CAQSLPATIA
 SRTKEVSRPV ERTLCLGPAP SASQLCNVPC SMDCIVSSWS TWGPCVFENC HDPQGKKGFR
 MRQRHVLME TGP MGRCPHL AESVPCEDPM CHRWLASEGI CIADHGKCG L GHRILKAVCQ
 NERGEEVSGG LCPVPPPER MACEIPCRMD CVVSEWTVWS SCSQSCSNKN SDGKQTRSRS
 ILALAGEGK TCPSSQELQE YRLCNDHSCT QLYWETSAWG SCSENTLVTA LNVTIGWNGE
 ATCGVGIQTR KVFCIKSHVG QVMTKRCPE TRPETVRPCF LPCKKDCLVT AFSEWTPCPR

PCQPGNTTIK QSRYRIIQE AANGGQECPD TLFEERECED ISLCPSYRWK PQKWSSCILV
PESIRQGRTG TSEACGKGLQ TRAVSCISDD NQSAEMTECL KQMNGMPPLV QECTIPCRDD
CTFTPWSKFT PCSKNCEATQ IRRRQLTGKS RKKEKCQDAS LYPLVEMEPC PCDTFMSHPY
GNWSACILPE GKRDAQQGL WVQGDDKECG EGVRFRAIAC SNINGRPVDP SFCNSSGYIQ
EACVIPCPFD CKLSDWSSWG SCSSSCGIGV RIRSKWLKEK PYSGGRPCPK LDLKNQVHEA
VPCYSECDQY SWVVEHWSPC KINNELRSPR CGRGTQSRRI RCVSTADREG GAVNRSLCNQ
DDAPQETQAC SLLCPSECVM SEWGTWSRCP QSCDPHAMQR RTRHLLRPSL NSRTCGEDSQ
VRPCLLNENC FQFQYNLTEW STCQLENSV CGQGVTRLL SCVRS DGKSV SMDHCEQRNL
EKPQRMSIPC LVECVVNCQL SGWTTWTECS QTCGQGGRMS RTRFIIMPTQ GEGRQCPTL
TQQKPCPVTP CYSWVLGNWS ACKLEGGDCG EGVQVRSFSC VVHNGSISHT AVPVVEALCG
EVPFQEGILK QLCSVPCPGD CHITPWSEWS KCELT CIDGR SFETTGRQSR SRTFIIQSFE
NQDSCPQVL ETRPCTGGKC YHYIWKASLW NNNERTVWCQ RSDGLNVTGG CSPQARPAAI
RQCIPACKKP FSYCTQGGVC GCEKGYTEIM RSSGFLDYCM KVPGSEDKKA DVKNLSGKNR
PVNSKIHDIF KGWSLQPLDP DGRVKMWVYG VSGGSFLIMI FLVFTSYLVC KKP KPHQSTP
RHQKPLTLAY DGD LDM

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 Thsd7b 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

Product Details

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:	Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate fractions are analyzed by Western blot.3. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatograph. 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:	THSD7B
Alternative Name:	Thsd7b (THSD7B Products)
Molecular Weight:	176.9 kDa Including tag.
UniProt:	Q6P4U0

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.

Application Details

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.

Expiry Date: Unlimited (if stored properly)