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Datasheet for ABIN3117963

THSD7B Protein (AA 32-1608) (rho-1D4 tag)

Overview

Quantity:	1 mg
Target:	THSD7B
Protein Characteristics:	AA 32-1608
Origin:	Human
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:	AHLEGKKDNQ FIWKTGPWGR CTGDCGPGGV QSRVWCFHV DGWTSLSNC GESNRPPKER SCFRVCDWHS DLFQWEVSDW HHCVLVPYAR GEVKPRTAEC VTAQHGLQHR MVRCIQKLN TVVANEICEH FALQPPTQA CLIPCPRDCV VSEFLPWSNC SKGCGKKLQH RTRAVIAPPL FGGLQCPNLT ESRACDAPIS CPLGEEYTF SLKVGWWSKC RPLHLKEINP SGRTVLDFNS DSNERVTFKH QSYKAHHHSK SWAIEIGYQT RQVSTRSDG QNAMLCLCLQ DSFPLTVQSC IMPKDCETSQ WSSWSPCSKT CRSGSLLPGF RSRSRNVKHM AIGGGKECPE LLEKEACIVE GELLQCPRY SWRTSEWKEC QVSLLEQQD PHWHVTGPVC GGGIQTREYV CAQSVAAAA LRAKEVSRPV EKALCVGPAP LPSQLCNIPC STDCIVSSWS AWGLCIHENC HDPQGGKGF TRQRHVLME TGPAGHCPHL VESVPCEDPM CYRWLASEGI CFPDHGKCG LHRILKAVCQ NDRGEDVSGS LCPVPPPPER KSCEIPCRMD CVLSEWTEWS SCSQSCSNKN SDGKQTRSRT ILALAGEGGK PCPPSQALQE HRLCNDHSCM QLHWETSPWG PCSEDTLVTA LNATIGWNGE ATCGVGIQTR RVFCVKSHVG QVMTKRCPDS TRPETVRPCF LPCKKDCIVT AFSEWTPCPR
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MCQAGNATVK QSRYRIIIQE AANGGQECPD TLYEERECED VSLCPVYRWK PQKWSPCILV
PESVWQGITG SSEACGKGLQ TRAVSCISDD NRSAEMMECL KQTNGMPLLV QECTVPCRED
CTFTAWSKFT PCSTNCEATK SRRRQLTGKS RKKEKCQDSD LYPLVETELC PCDEFISQPY
GNWSDCILPE GRREPHRGLR VQADSKECGE GLRFRAVACS DKNRPVDPDS FCSSSGYIQE
KCVIPCPFDC KLSDWSSWGS CSSSCGIGVR IRSKWLKEKP YNGGRPCPKL DLKNQAQVHE
AVPCYSECNQ YSWVVEHWSS CKINNELRSL RCGGGTQSRK IRCVNTADGE GGAVDSNLCN
QDEIPPETQS CSLMCPNECV MSEWGLWSKC PQSCDPHTMQ RRTRHLLRPS LNSRTCAEDS
QVQPCLLNEN CFQFQYNLTE WSTCQLSENA PCGQGVTRL LSCVCSDGKP VSMDQCEQHN
LEKPQRMSIP CLVECVVNCQ LSGWTAWTEC SQTGHHGGRM SRTRFIIMPT QGEGRPCPTE
LTQEKTCPVT PCYSWVLGNW SACKLEGGDC GEGVQIRSLs CMVHSGSISH AAGRVEDALC
GEMPFQDSIL KQLCSVPCPG DCHLTEWSEW STELT CIDG RSFETVGRQS RSRTFIIQSF
ENQDSCPQQV LETRPCTGGK CYHYTWKASL WNNNERTVWC QRSDGVNVTG GCSPQARPA
IRQCIPACRK PFSYCTQGGV CGCEKGYTEI MKSNGFLDYC MKVPGSEDKK ADVKNLSGKN
RPVNSKIHDI FKGWSLQPLD PDGRVKIWVY GVSGGAFLIM IFLIFTSYLV CKKPKPHQST
PPQQKPLTLA YDGDLDL

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.
- Human 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:

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:

[Q9C0I4](#)

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:

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)