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Datasheet for ABIN3092874

Gltscr1 Protein (AA 1-1560) (His tag)

1 Image

Overview

Quantity:	1 mg
Target:	Gltscr1
Protein Characteristics:	AA 1-1560
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gltscr1 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MDDDEDGRCLL DVICDPQALN DFLHGSEKLD SDDLLDNPGE AQSAYFEGPG LHVQEASGNH
 LNPEPNQPAP SVDLDFLEDD ILGSPATGGG GGGSGGADQP CDILQQSLQE ANITEQTLEA
 EAELDLGPFQ LPTLQPADGG AGPTGAGGAA AVAAGPQALF PGSTDLLGLQ GPPTVLTHQA
 LVPPQDVVVK ALSVQPFLQP VGLGNVTLQP IPGLQGLPNG SPGGATAATL GLAPIQVVGQ
 PVMALNTPPTS QLLAKQVPVS GYLASAAGPS EPVTLASAGV SPQGAGLVIQ KNLSAAVATT
 LNGNSVFGGA GAASAPTGTP SGQPLAVAPG LGSSPLVPAP NVILHRTPTP IQPKPAGVLP
 PKLYQLTPKP FAPAGATLTI QGEPGALPQQ PKAPQNLFM AAGKAGQNVV LSGFPAPALQ
 ANVFKQPPAT TTGAAPPQPP GALSHPMSVH LLNQSSIVI PAQHMLPGQN QFLLPGAPAV
 QLPQQLSALP ANVGGQILAA AAPHTGGQLI ANPILTNQNL AGPLSLGPVL APHSGAHSAAH
 ILSAAPIQVG QPALFQMPVS LAAGSLPTQS QPAPAGPAAT TVLQGVTLPP SAVAMLNTPD
 GLVQPATPAA ATGEAAPVLT VQPAPQAPPA VSTPLPLGLQ QPQAQPPQA PTPQAAAAPPQ
 ATTPQSPGL ASSPEKIVLG QPPSATPTAI LTQDSLQMFL PQERSQQPLS AEGPHLSVPA

SVIVSAPPPA QDPAPATPVA KGAGLGPQAP DSQASPAPAP QIPAAAAPLKG PGPSSSPSLP
HQAPLGDSPH LPSPHPTRPP SRPPSRPQSV SRPPSEPPLH PCPPPQAPPT LPGIFVIQSQ
LGVPPPASNPTAPTAPGPPQP PLRPQSQPPE GPLPPAPHLP PSSTSSAVAS SSETSSRLPA
PTPSDFQLQF PPSQGPBKSP TPPPTLHLVP EPAAPPPPPP RTFQMVTTPF PALPQPKALL
ERFHQVPSGI ILQNKAGGAP AAPQTSTSLG PLTSPAASVL VSGQAPSGTP TAPSHAPAPA
PMAATGLPPL LPAENKAFAS NLPTLNVAKA ASSGPGKPSG LQYESKLSGL KKPPTLQPSK
EACFLEHLHK HQGSVLHPDY KTAFFSFEDA LHRLLPYHVY QGALPSPSDY HKVDEEFETV
STQLLKRTQA MLNKYRLLLL EESRRVSPSA EMVMIDRMFI QEEKTTLALD KQLAKEKPDE
YVSSSRSLGL PIAASSEGHR LPGHGPLSSS APGASTQPPP HLPTKLVIRH GGAGGSPSVT
WARASSSLSS SSSSSSAASS LDADEDGPMP SRNRPIKTY EARSRIGLKL KIKQEAGLSK
VVHNTALDPV HQPPPPATL KVAEPPRPP PPPPPTGQMN GTVDHPPAA PERKPLGTAP
HCPRLPLRKT YRENVGGPGA PEGTPAGRAR GGSPAPLPAK VDEATSGLR ELAAVEDELY
QRMLKGPPE PAASAAQGTG DPDWEAPGLP PAKRRKSESP DVDQASFSSD SPQDDTLTEH
LQSAIDSILN LQQAPGRTPA PSYPHAASAG TPASPPPLHR PEAYPPSSHN GGLGARTLTR

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 GLTSCR1 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.

Product Details

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.
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: Gltsr1

Alternative Name: GLTSCR1 ([Gltsr1 Products](#))

Molecular Weight: 159.4 kDa Including tag.

UniProt: [Q9NZM4](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

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)

Images



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