

Datasheet for ABIN7553759
ECD/SGT1 Protein (AA 1-644) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ECD/SGT1 (ECD)
Protein Characteristics:	AA 1-644
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ECD/SGT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ECD Protein expressed in mammalian cells.
Sequence:	MEETMKLATM EDTVEYCLFL IPDESRDSK HKEILQKYIE RIITRFAPML VPYIWQNQPF NLKYKPGKGG VPAHMFVTK FGDNIEDEWF IVYVIKQITK EFPELVARIE DNDGEFLIE AADFLPKWLD PENSTNRVFF CHGELCIIPA PRKSGAESWL PTTPTIPQA LNIITAHSEK ILASESIRAA VNRRIRGYPE KIQASLHRAH CFLPAGIVAV LKQRPRLVAA AVQAFYLRDP IDLRACRVFK TFLPETRIMT SVTFTKCLYA QLVQQRFPD RRSQYRLPPP SDPQYRAHEL GMKLAHGFEI LCSKSPHFS DCKKSLVTAS PLWASFLESL KKNDYFKGLI EGSAQYRERL EMAENYFQLS VDWPESSLAM SPGEEILTLL QTIPFDIEDL KKEAANLPPE DDDQWLDLSP DQLDQLLQEA VGKKESESVS KEEKEQNYDL TEVSESMKAF ISKVSTHGA ELPREPSEAP ITFDADSFLN YFDKILGPRP NESDSDDLLDD EDFECLDSDD DLDFETHEPG EEASLKGTLN NLKSYMAQMD QELAHTCISK SFTTRNQVEP VSQTTDNNSD EEDSGTGESV MAPVDVDLNL VSNILESYSS QAGLAGPASN LLQSMGVQLP DNTDHRPTSK PTKN Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

Product Details

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ECD/SGT1 (ECD)

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

Background: Protein ecdysoneless homolog (Human suppressor of GCR two) (hSGT1),FUNCTION: Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP (PubMed:16849563, PubMed:23880345). May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes (PubMed:19919181, PubMed:9928932). Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins (PubMed:19640839). The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex (PubMed:26711270). May play a role in regulation of pre-

Target Details

mRNA splicing (PubMed:24722212). {ECO:0000269|PubMed:16849563, ECO:0000269|PubMed:19640839, ECO:0000269|PubMed:19919181, ECO:0000269|PubMed:23880345, ECO:0000269|PubMed:26711270, ECO:0000305|PubMed:24722212, ECO:0000305|PubMed:9928932}.

Molecular Weight: 72.8 kDa

UniProt: [O95905](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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