

Datasheet for ABIN7556897

DCST1 Protein (AA 1-732) (His tag)



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Overview

Quantity:	1 mg
Target:	DCST1
Protein Characteristics:	AA 1-732
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCST1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dcst1 Protein expressed in mammalian cells.
Sequence:	MAFLSSTLHS LGIFEKISRI KEVLKNRLLD LTKRRDQARE QQRKRPHTII QGLLLWSLPV SWIRFLWRQP GEFPVTAFLG GAGTGGLLAI GLFQLLVNPM NIYEEQKVVA LYCLASLGAI GWGTSPHIRC ASLLLVPKML GKEGRLFVMG YALAAIYSGP AANLRNINE VIASLGCTVE LQINNTRSAW RVSTAPLRV FKG MVGSKDS LNKEIQNVST SFEEMDEQVK SDAGYSSDW DKNRESTEMF GTSRVRPYLS TQM VYELRTR LRCIHVVNKA ILSCYRWFDK KHKNCMRRIH LPLFNNMICV PMKFKFLCNI AKVIEIWCYK RIPVEGNFGQ TYDSVNQSIH GLSGEFSANI NLKEEKQSSM VGLNTTNWEH MGTEVRDYVR QQETYLQWAM GLLHVLLSCT FLLVFHSAFS YMDHYNWDIR FDNISTYF CQIDARRKKL GKQSLLPLRK AERKTVIFPF KATIQAWEMR YVIRELLET LPIVLLLLVLC AIDWALYSVF DTIRQHSFVQ YSFRSSHKLE IKVEGDSILA KLLRK TIGAL NTSSSTDVET NNMPCLPQPI SLNARDYFKA SLPTLLL VCL CLAQAFGYRL RRVIAAFYFP KREKKRALFF YNEFLKKRSA FTKLRRAAIV RRANQQKAPP HYLVEALYRR CPLLRHFM RQ RCVVCQAMET PDSYVCPTPD CKALYCRSCW DDMQRLCPVC TPREE LSSEA HSDSNDDAVY GD

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.

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: DCST1

Alternative Name: Dcst1 ([DCST1 Products](#))

Background: E3 ubiquitin-protein ligase DCST1 (EC 2.3.2.27) (DC-STAMP domain-containing protein 1) (RING-type E3 ubiquitin transferase),FUNCTION: E3 ubiquitin-protein ligase which mediates 'Lys-48'-linked ubiquitination of STAT2 and induces its proteasomal degradation thereby negatively regulating type-I-interferon signaling. {ECO:0000250|UniProtKB:Q5T197}., FUNCTION: Essential sperm cell-surface protein required for sperm-egg fusion and fertilization. {ECO:0000269|PubMed:33871360, ECO:0000269|PubMed:35393517}.

Molecular Weight: 84.3 kDa

Target Details

UniProt: [Q059Y8](#)

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