

Datasheet for ABIN7553732  
**DSTYK Protein (AA 1-929) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DSTYK
Protein Characteristics:	AA 1-929
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DSTYK protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DSTYK Protein expressed in mammalian cells.
Sequence:	MEGDGVPWGS EPVSGPGPGG GGMIRELCRG FGRYRRLGR LRQNLRETQK FFRDIKCSHN HTCLSSLTGG GGAERGPAGD VAETGLQAGQ LSCISFPPKE EKYLQQIVDC LPCILILGQD CNVKCQLLNL LLGVQVLPPT KLGSEESCKL RRLRFTYGTQ TRVSLALPGQ YELVHTLVAH QGNWETIPEE DLEVQENED AAHVLAEEV TMHHALLQEV DVVVAPCQGL RPTVDVLGDL VNDFLPVITY ALHKDELSER DEQELQEIRK YFSFPVFFFK VPKLGSEIID SSTRMESER SPLYRQLIDL GYLSSSHWNC GAPGQDTKAQ SMLVEQSEKL RHLSTFSHQV LQTRLVDAAK ALNLVHCHCL DIFINQAFDM QRDLQITPKR LEYTRKKENE LYESLMNIAN RKQEEMKDMI VETLNTMKEE LLDDATNMEF KDVIVPENGE PVGTREIKCC IRQIQELIIS RLNQAVANKL ISSVDYLRES FVGTLERCLQ SLEKSQDVSV HITSNYLKQI LNAAYHVEVT FHSGSSVTRM LWEQIKQIIQ RITWVSPPAI TLEWKRKVAQ EAIESLSASK LAKSICSQFR TRLNSSHEAF AASLRQLEAG HSGRLEKTED LWLRVRKDHA PRLARLSLES CSLQDVLVLR KPKLGQELGR GQYGVVYLCD NWGGHFPCAL KSVVPPDEKH WNDLALFHY MRSLPKHERL VDLHGVIDY

## Product Details

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NYGGGSSIAV LLIMERLHRD LYTGLKAGLT LETRLQIALD VVEGIRFLHS QGLVHRDIKL  
KNVLLDKQNR AKITDLGFCK PEAMMSGIV GTPIHMAPEL FTGKYDNSVD VYAFGILFWY  
ICSGSVKLPE AFERCASKDH LWNVRRGAR PERLPVFDEE CWQLMEACWD GDPLKRPLLG  
IVQMLQGIM NRLCKSNSEQ PNRGLDDST **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

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**Target:** DSTYK

**Alternative Name:** DSTYK ([DSTYK Products](#))

**Background:** Dual serine/threonine and tyrosine protein kinase (EC 2.7.12.1) (Dusty protein kinase) (Dusty PK) (RIP-homologous kinase) (Receptor-interacting serine/threonine-protein kinase 5) (Sugen kinase 496) (SgK496),FUNCTION: Acts as a positive regulator of ERK phosphorylation downstream of fibroblast growth factor-receptor activation (PubMed:23862974,

## Target Details

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PubMed:28157540). Involved in the regulation of both caspase-dependent apoptosis and caspase-independent cell death (PubMed:15178406). In the skin, it plays a predominant role in suppressing caspase-dependent apoptosis in response to UV stress in a range of dermal cell types (PubMed:28157540). {ECO:0000269|PubMed:15178406, ECO:0000269|PubMed:23862974, ECO:0000269|PubMed:28157540}.

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Molecular Weight: 105.2 kDa

UniProt: [Q6XUX3](#)

## Application Details

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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

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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