

## Product datasheet

# Recombinant Human DCS-1 protein ab113138

1 Image

### Description

<b>Product name</b>	Recombinant Human DCS-1 protein
<b>Purity</b>	> 90 % SDS-PAGE. ab113138 was purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q96C86</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p><b>MGSSHHHHHSSGLVPRGSHMADAAPQLGKRKRELDV</b>  <b>EEAHAASTE E KEAGVGN GTCAPVRLPFSGFR</b>  <b>LQKVLRESARDKIIFLHGKVNEASGDG</b>  <b>DGEDAVVILEKTPFQVEQVAQLLTGSPQLQFSDIYSTY</b>  <b>HLFPPRQ</b>  <b>LNDVKTTVVYPATEKHLQKYLRQDLRLIRETGDDYRNITLPH</b>  <b>LESQSLSIQWVYNILDKKAEADRIVFENPDPSD</b>  <b>GFVLIPDLKWNQQQLDDLYIAI</b>  <b>CHRRGIRSLRDLTPEHLPLLRNHLHQQQEAILQRYRMKGDH</b>  <b>LRVYLHYLP SY</b>  <b>YHLHVHFTALGFEAPGSGVERAHLA EVIENLECDPRHYQ</b>  <b>QRTLTF ALRADDPLLKLLQEAQQS</b></p>
<b>Predicted molecular weight</b>	41 kDa including tags
<b>Amino acids</b>	1 to 337
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab113138** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Additional notes

Previously labelled as DCPS.

## Preparation and Storage

### Stability and Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Mix suspension via gentle inversion before use.

pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine)

## General Info

### Function

Necessary for the complete degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA fragments shorter than 10 nucleotides that are produced by 3'->5' exosome-mediated mRNA decay. Releases m7GMP. Can also degrade m7GDP to m7GMP. Has no activity towards mRNA molecules longer than 25 nucleotides.

### Tissue specificity

Detected in liver, brain, kidney, testis and prostate.

### Sequence similarities

Belongs to the HIT family.

### Cellular localization

Cytoplasm. Nucleus.

## Images



15% SDS-PAGE analysis of (3µg)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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