

## Product datasheet for TP300175

### DUS2L (DUS2) (NM\_017803) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dihydrouridine synthase 2-like, SMM1 homolog ( <i>S. cerevisiae</i> ) (DUS2L), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200175 protein sequence Red=Cloning site Green=Tags(s)

MILNSLSLCYHNKILAPMVRVGTLP MRLALDYGADIVYCEELIDLKMIQCKRVNEVLSTVDFVAPDD  
RVVFRTCEREQNRVVFQMGTS DAERALAVARLVENDVAGIDVNMGC PKQYSTKGGMGAALLSDPKIEKI  
LSTLVKGTTRRPVTCKIRILPSLEDT LSLVKRIERTGIAAIVHGRKREERPQHPVSCEVIKAIADT LSI P  
VIANGGSHDHIQQYSDIEDFRQATA AASSVMVARAAMWNPSIFLKEGLRPLEEVMQKYIRYAVQYDNHYTN  
TKYCLCQMLREQL ESPQGRLLHAAQSSREICEAFGLGAFYEETTQELDAQQARLSAKTSEQTGEP AEDTS  
GVIKMAVKFDRRAYPAQITPKMCLLEWCRREKLAQPVYETVQRPLDRLFSSIVTVAEQKYQSTLWDKSKK  
LAEQAAAIVCLRSQGLPEGRLGEESPSLHKRKREAPDQDPGGPRAQELAQPGDLCKKPFVALGSGEESPL  
EGW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

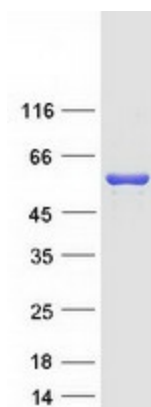
Tag:	C-Myc/DDK
Predicted MW:	54.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_060273</a>
<b>Locus ID:</b>	54920
<b>UniProt ID:</b>	<a href="#">Q9NX74</a> , <a href="#">A0A024R6Z7</a>
<b>RefSeq Size:</b>	2342
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	1479
<b>Synonyms:</b>	DUS2L; SMM1; URLC8
<b>Summary:</b>	This gene encodes a cytoplasmic protein that catalyzes the conversion of uridine residues to dihydrouridine in the D-loop of tRNA. The resulting modified bases confer enhanced regional flexibility to tRNA. The encoded protein may increase the rate of translation by inhibiting an interferon-induced protein kinase. This gene has been implicated in pulmonary carcinogenesis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]

### Product images:



Coomassie blue staining of purified DUS2 protein (Cat# TP300175). The protein was produced from HEK293T cells transfected with DUS2 cDNA clone (Cat# [RC200175]) using MegaTran 2.0 (Cat# [TT210002]).