Datasheet for ABIN7547297

DUSL2 Protein (AA 1-493) (His tag)

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Overview

Quantity:	1 mg
Target:	DUSL2 (DUS2L)
Protein Characteristics:	AA 1-493
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DUS2 Protein expressed in mammalien cells.
Sequence:	MILNSLSLCY HNKLILAPMV RVGTLPMRLL ALDYGADIVY CEELIDLKMI QCKRVVNEVL STVDFVAPDD RVVFRTCERE QNRVVFQMGT SDAERALAVA RLVENDVAGI DVNMGCPKQY STKGGMGAAL LSDPDKIEKI LSTLVKGTRR PVTCKIRILP SLEDTLSLVK RIERTGIAAI AVHGRKREER PQHPVSCEVI KAIADTLSIP VIANGGSHDH IQQYSDIEDF RQATAASSVM VARAAMWNPS IFLKEGLRPL EEVMQKYIRY AVQYDNHYTN TKYCLCQMLR EQLESPQGRL LHAAQSSREI CEAFGLGAFY EETTQELDAQ QARLSAKTSE QTGEPAEDTS GVIKMAVKFD RRAYPAQITP KMCLLEWCRR EKLAQPVYET VQRPLDRLFS SIVTVAEQKY QSTLWDKSKK LAEQAAAIVC LRSQGLPEGR LGEESPSLHK RKREAPDQDP GGPRAQELAQ PGDLCKKPFV ALGSGEESPL EGW **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	DUSL2 (DUS2L)
Alternative Name:	DUS2 (DUS2L Products)
Background:	TRNA-dihydrouridine(20) synthase [NAD(P)+]-like (EC 1.3.1.91) (Dihydrouridine synthase 2) (Up-regulated in lung cancer protein 8) (URLC8) (tRNA-dihydrouridine synthase 2-like) (hDUS2),FUNCTION: Dihydrouridine synthase. Catalyzes the NADPH-dependent synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs (PubMed:15994936, PubMed:26429968, PubMed:30149704, PubMed:34798057). Negatively regulates the activation of EIF2AK2/PKR (PubMed:18096616). {ECO:0000269|PubMed:15994936, ECO:0000269|PubMed:18096616, ECO:0000269|PubMed:26429968, ECO:0000269|PubMed:30149704, ECO:0000269|PubMed:34798057}.
Molecular Weight:	55.1 kDa
UniProt:	Q9NX74

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

