Datasheet for ABIN7520294

Lipocalin 2 Protein (LCN2) (His tag)

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Overview

Quantity:	100 µg
Target:	Lipocalin 2 (LCN2)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Lipocalin 2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Mouse Lipocalin-2/NGAL/LCN2 Protein
Sequence:	QDSTQNLIPA PSLLTVPLQP DFRSDQFRGR WYVVGLAGNA VQKKTEGSFT MYSTIYELQE NNSYNVTSIL VRDQDQGCRY WIRTFVPSSR AGQFTLGNMH RYPQVQSYNV QVATTDYNQF AMVFFRKTSE NKQYFKITLY GRTKELSPEL KERFTRFAKS LGLKDDNIIF SVPTDQCIDN
Specificity:	Gln21-Asn200
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA)3]. The binding of Fe(DHBA)3 results in the quenching of Trp fluorescence in recombinant mouse Lipocalin-2. Recombinant mouse Lipocalin-2 can bind >47.7 µM of Fe(DHBA)3.

Target Details

Target:	Lipocalin 2 (LCN2)
Alternative Name:	Lipocalin-2/NGAL/LCN2 (LCN2 Products)
Background:	NGAL,LCN2,Lipocalin-2,24p3,MSFI,LCN2
Gene ID:	16819
UniProt:	P11672
Pathways:	Cellular Response to Molecule of Bacterial Origin, Transition Metal Ion Homeostasis

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.