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Datasheet for ABIN5709695

Id2 Protein (AA 1-134, full length) (His-SUMO Tag)

1 Image

Overview

Quantity:	100 µg
Target:	Id2
Protein Characteristics:	full length, AA 1-134
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Id2 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MKAFSPVRSV RKNLSLDHSL GISRSKTPVD DPMSLLYNMN DCYSKCLKELV PSIPQNKKVS KMEILQHVID YILDLQIALD SHPTIVSLHH QRPQGNQASR TPLTTLNTDI SILSLQASEF PSELMNSNSK ALCG
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Id2
Alternative Name:	ID2 (Id2 Products)
Background:	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their

Target Details

DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Inhibits skeletal muscle and cardiac myocyte differentiation. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. Restricts the CLOCK and ARNTL/BMAL1 localization to the cytoplasm. Plays a role in both the input and output pathways of the circadian clock: in the input component, is involved in modulating the magnitude of photic entrainment and in the output component, contributes to the regulation of a variety of liver clock-controlled genes involved in lipid metabolism.

Molecular Weight: 30.9 kDa

UniProt: [Q02363](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

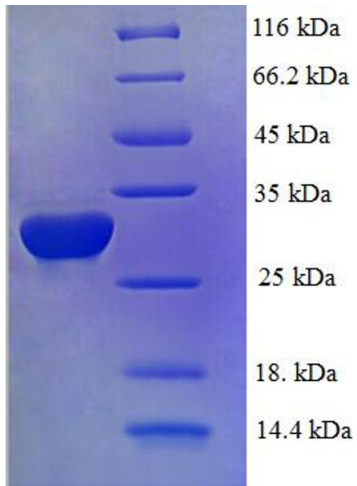
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.