Datasheet for ABIN6699532

ARTN Protein

1 Image

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Overview

Quantity:	100 µg
Target:	ARTN
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Artemin Recombinant Protein
Purification:	Artemin purity was determined to be greater than 98% as determined by analysis by HpLC and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependant proliferation of the SH-SY5Y cell line and is typically 4-8 ng/mL. The activity can also be determined by its ability to promote survival and neurite outgrowth.

Target Details

Target:	ARTN
Alternative Name:	ARTN (ARTN Products)
Background:	Synonyms: ARTN, enovin, neublastin

Target Details

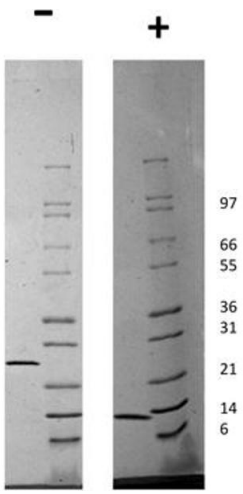
	Background: Artemin is a novel member of the glial cell line-derived neurotrophic factor (GNDF) ligand family. Current evidence suggests that Artemin signals through the receptor complex, GFRα3-RET, to influence neuron survival in vitro and in vivo. Recombinant human Artemin is a non-glycosylated, disulfide-linked homodimer, containing two 113 amino acid chains, with a total molecular weight of 24.2 kDa.
UniProt:	Q5T4W7

Application Details

Application Notes:	Other: User Optimized Application_Note: Recombinant human Artemin has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Artemin in immunological assays.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Artemin Recombinant Protein SDS-PAGE of Human Artemin Recombinant Protein. Lane 1: 1 µg Human Artemin in non-reducing conditions . Lane 2: Molecular weight marker. Lane 3: 1 µg Human Artemin in reducing conditions (+). Lane 4: Molecular weight marker. Human Artemin is a predicted homodimer with a MW of 24 kDa.

