

Datasheet for ABIN6973076  
**GDF2 Protein (AA 320-429)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	50 µg
Target:	GDF2
Protein Characteristics:	AA 320-429
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

## Product Details

Characteristics:	Human GDF-2 Protein, Tag Free
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	GDF2
Alternative Name:	GDF-2 ( <a href="#">GDF2 Products</a> )
Background:	Human Growth and differentiation factor 2 (GDF-2), also known as Bone morphogenetic protein 9 (BMP-9), is a member of the BMP subgroup of the TGF-beta superfamily proteins that signal through heterodimeric complexes composed of type I and type II BMP receptors. GDF-2 Potent circulating inhibitor of angiogenesis. Signals through the type I activin receptor ACVRL1 but not other Alks. Signaling through SMAD1 in endothelial cells requires TGF-beta coreceptor

Target Details

endoglin/ENG. ALK1 is a signalling receptor for bone morphogenetic protein-9 (BMP-9) in endothelial cells (ECs). BMP-9 bound with high affinity to ALK1 and endoglin, and weakly to the type-I receptor ALK2 and to the BMP type-II receptor (BMPR-II) and activin type-II receptor (ActR-II) in transfected COS cells. Binding of BMP-9 to ALK2 was greatly facilitated when BMPR-II or ActR-II were co-expressed.

Molecular Weight:	12.1 kDa
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

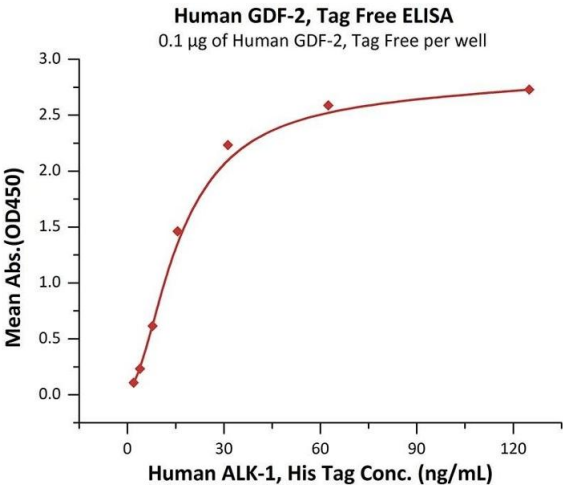
Application Details

Restrictions:	For Research Use only
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Handling

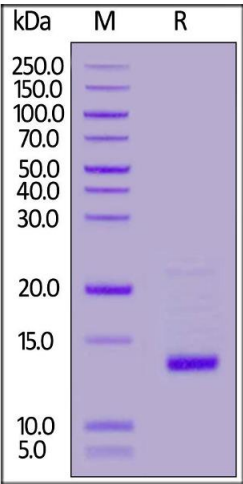
Format:	Lyophilized
Buffer:	ACN, TFA in Water
Storage:	-20 °C

Images



ELISA

**Image 1.** Immobilized Human GDF-2, Tag Free (ABIN6973076) at 1 µg/mL (100 µL/well) can bind Human ALK-1, His Tag (ABIN2180579,ABIN2180578) with a linear range of 2-16 ng/mL (QC tested).



SDS-PAGE

**Image 2.** Human GDF-2, Tag Free on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .