



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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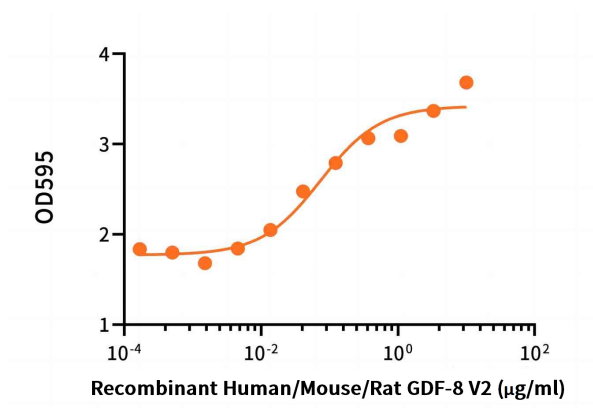
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

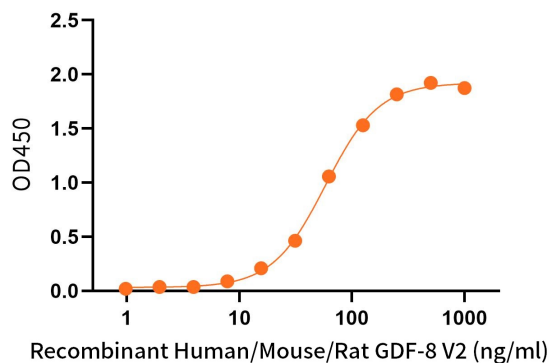
Recombinant Human/Mouse/Rat GDF-8 V2(Cat.No.:C46R)

Source:	Human Cells
Description:	Recombinant Human/Mouse/Rat GDF-8 V2 is produced by our Mammalian expression system and the target gene encoding Asp267-Ser375 is expressed.
Accession:	O14793
Known As:	Growth/differentiation factor 8; MSTN; GDF-8; Myostatin; GDF8
Predicted Mol Mass:	12.4kDa
Apparent Mol Mass:	13-20kDa, reducing conditions
Endotoxin:	<0.001EU/ug as determined by LAL test.
Formulation:	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background:	Growth/differentiation factor 8(Mstn, GDF-8) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. It is expressed specifically in developing and adult skeletal muscle. It exists as a homodimer, and interacts with WFIKKN2, leading to inhibit its activity. This protein can act specifically as a negative regulator of skeletal muscle growth. It regulates cell growth and differentiation in both embryonic and adult tissues.
Bioactivity-Cell Based Assay:	

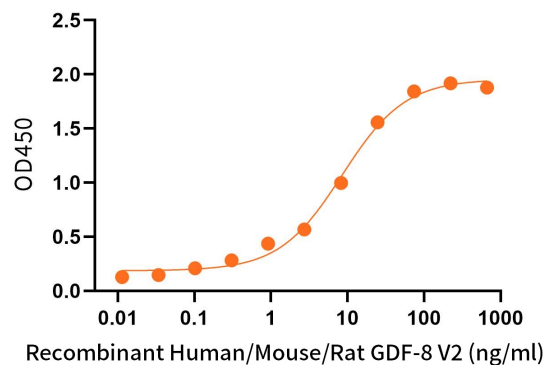


Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. The ED50 for this effect is 74 ng/ml. (Regularly tested)

Bioactivity-ELISA:



Immobilized Recombinant Human ACVR2B (C-6His)(Cat#C302) at 2µg/ml (100 µl/well) can bind Recombinant Human/Mouse/Rat GDF-8 V2(Cat#C46R)*. *: Biotinylated by NHS-biotin prior to testing. The ED50 of Recombinant Human/Mouse/Rat GDF-8 V2(Cat#C46R) is 58.11ng/ml. (Regularly tested)



Immobilized Recombinant Human ACVR2B (C-Fc-6His)(Cat#CX58) at 2µg/ml (100 µl/well) can bind Recombinant Human/Mouse/Rat GDF-8 V2(Cat#C46R)*. *: Biotinylated by NHS-biotin prior to testing. The ED50 of Recombinant Human/Mouse/Rat GDF-8 V2(Cat#C46R) is 8.54ng/ml. (Regularly tested)