

Datasheet for ABIN7597442

EDNRB Protein (AA 27-101) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	EDNRB
Protein Characteristics:	AA 27-101
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EDNRB protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human EDNRB Protein with C-terminal human Fc tag
Sequence:	EDNRB(Glu27-Lys101) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	EDNRB
Alternative Name:	EDNRB (EDNRB Products)
Background:	<p>ETB, ET-B, ETB1, ETBR, ETRB, HSCR, WS4A, ABCDS, ET-BR, HSCR2</p> <p>The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the</p>

Target Details

	multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]
Molecular Weight:	predicted molecular mass of 34.2 kDa after removal of the signal peptide. The apparent molecular mass of EDNRB-hFc is 35-55 kDa due to glycosylation.
UniProt:	P24530
Pathways:	Cellular Response to Molecule of Bacterial Origin, cAMP Metabolic Process

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months