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Datasheet for ABIN7281363

Ephrin B1 Protein (EFNB1) (AA 28-237) (hIgG-His-tag)

Overview

Quantity:	100 µg
Target:	Ephrin B1 (EFNB1)
Protein Characteristics:	AA 28-237
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin B1 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPLAKNLEP VSWSSLNPKF LSGKGLVIYP KIGDKLDIIC PRAEAGRPYE YYKLYLVRPE QAAACSTVLD PNVLVTCNRP EQEIRFTIKF QEFSPNYMGL EFKKHHDYYI TSTSNGSLEG LENREGGVCR TRTMKIIMKV GQDPNAVTPPE QLTTSRPSKE ADNTVKMATQ APGSRGSLGD SDGKHETVNQ EEKSGPGASG GSSGDPDGFF NSKLEPKSCD KTHTCPPCA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 0.1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	Ephrin B1 (EFNB1)
Alternative Name:	EFNB1 (EFNB1 Products)
Background:	EFNB1, also known as ephrin-B1, is a member of Eph family. It binds to the receptor tyrosine kinases EPHB1 and EPHA1. This protein also binds Eph receptors residing on adjacent cells which affect signaling to neighboring cells. It plays a role in cellular migration, axon guidance, osteoclast differentiation and function, cardiac muscle morphogenesis, and tumorigenesis. Recombinant human EFNB1 protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	50.3kDa (452aa) 50-70KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_004420
UniProt:	P98172
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.