Product datasheet for DA3528

CD333 / FGFR3 (IIIC - Fc Chimera) Human Protein

Product data:

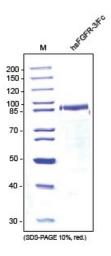|	
Product Type:	Recombinant Proteins
Description:	CD333 / FGFR3 (IIIC - Fc Chimera) human recombinant protein, 10 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ESLGTEQRVV GRAAEVPGPE PGQQEQLVFG SGDAVELSCP PPGGGPMGPT VWVKDGTGLV PSERVLVGPQ RLQVLNASHE DSGAYSCRQR LTQRVLCHFS VRVTDAPSSG DDEDGEDEAE DTGVDTGPYW TRPERMDKKL LAVPAANTVR FRCPAAGNPT PSISWLKNGR EFRGEHRIGG IKLRHQQWSL VMESVVPSDR GNYTCVVENK FGSIRQTYTL DVLERSPHRP ILQAGLPANQ TAVLGSDVEF HCKVSDAQPH IQWLKHVEVN GSKVGPDGTP YVTVLKTAGA NTTDKELEVL SLHNVTFEDA GEYTCLAGNS IGFSHHSAWL VVLPAEEELV EADEAGDPRR ASIEGRGDPE EPKSCDKTHT CPPCPAPELL GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLCL VKGFYPSDIA VEWESNGQPE NNYKTTPPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGK
Predicted MW:	170 kDa
Purity:	>90% by SDS-PAGE and visualised by silver stain.
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: PBS without stabilizers or preservatives.
Bioactivity:	Biological: Determined by its ability to inhibit Human FGF acidic-dependent proliferation on R1 cells. The ED50 for this effect is typically at 15.0-30.0 ng/ml.
Endotoxin:	< 0.1 ng per µg of sFGF-R3a.
Reconstitution Method:	Restore in PBS or medium to a concentration not lower than 50 µg/ml.
Preparation:	Lyophilized purified protein.
Protein Description:	Recombinant Human soluble FGFR-3 alpha (IIIc) was fused via a Xa cleavage site with the Fc part of Human IgG1. Human recombinant soluble FGFR-3 alpha (IIIc)/Fc is a disulfide-linked heterodimeric protein. In the reduced form the glycosylated subunits of sFGFR-3 alpha/Human Fc chimera display a molecular mass of 80-85 kDa.

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Note:	Centrifuge vials before opening!
Storage:	Store Lyophilized at -20°C to -70°C for greater than six months. Reconstituted sFGFR-3a (IIIc)/Fc should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles!
RefSeq:	NP_000133
Locus ID:	2261
UniProt ID:	P22607, Q0IJ44
Cytogenetics:	4p16.3
Synonyms:	ACH; CD333; CEK2; HSFGFR3EX; JTK4
Summary:	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. [provided by RefSeq, Aug 2017]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Bladder cancer, Endocytosis, MAPK signaling pathway, Pathways in cancer, Regulation of actin cytoskeleton

Product images: