

## Product datasheet for DA3527X

### CD332 / FGFR-2 (IIIc - Fc Chimera) Human Protein

#### Product data:

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | CD332 / FGFR-2 (IIIc - Fc Chimera) human recombinant protein, 50 µg  |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | Insect   |
| <b>Expression cDNA Clone or AA Sequence:</b> | RPSFSLVEDT TLEPEEPPTK YQISQPEVYV AAPGESLEVR CLLKDAAVIS WTKDGVHLGP NNRTVLIGEY LQIKGATPRD SGLYACTASR TVDSETWYFM VNVTDAISSG DDEDDTDGAE DFVSENSNNK ROPYWTNTEK MEKRLHAVPA ANTVKFRCPA GGNPMPTMRW LKNGKEFKQE HRIGGYKVRN QHWSLIMESV VPSDKGNYTC WVENEYGSIN HTYHLDVVER SPHRPILQAG LPANASTVVG GDVEFVCKVY SDAQPHIQWI KHVEKNGSKY GPDGLPYLKV LKAAGVNTTD KEIEVLYIRN VTFEDAGEYT CLAGNSIGIS FHSAWLTVLP APGREKEITA SPDYLEDPRR ASIEGRGDPE EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKSLSLSP GK |
| <b>Predicted MW:</b>                         | 170 kDa  |
| <b>Purity:</b>                               | >90% by SDS-PAGE and visualised by silver stain.   |
| <b>Buffer:</b>                               | Presentation State: Purified<br>State: Lyophilized purified protein<br>Buffer System: PBS without stabilizers  |
| <b>Bioactivity:</b>                          | Biological: Determined by its ability to inhibit human FGF acidic-dependent proliferation on R1 cells.<br>The ED50 for this effect is typically at 15.0-30.0 ng/ml.  |
| <b>Endotoxin:</b>                            | < 0.1 ng per µg of sFGF-R2a.   |
| <b>Reconstitution Method:</b>                | Restore in PBS or medium to a concentration not lower than 50 µg/ml.   |
| <b>Preparation:</b>                          | Lyophilized purified protein   |
| <b>Protein Description:</b>                  | Recombinant Human soluble FGFR-2 alpha (IIIc) was fused via a Xa cleavage site with the Fc part of Human IgG1. Human recombinant soluble FGFR-2 alpha (IIIc) is a disulfide-linked heterodimeric protein. In the reduced form the glycosylated subunits of sFGFR-2 alpha/human Fc chimera display a molecular mass of 80-85 kDa.   |



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|--------------------------|---|
| <b>Note:</b>             | Centrifuge vials before opening!  |
| <b>Storage:</b>          | Store lyophilized sFGFR-2a (IIIC)/Fc at -20°C to -70°C.<br>Reconstituted sFGFR-2a (IIIC)/Fc should be stored in working aliquots at -20°C.<br>Avoid repeated freeze-thaw cycles!  |
| <b>Stability:</b>        | Shelf life: One year from despatch.   |
| <b>RefSeq:</b>           | <a href="#">NP_000132</a>   |
| <b>Locus ID:</b>         | 2263  |
| <b>UniProt ID:</b>       | <a href="#">P21802</a>  |
| <b>Cytogenetics:</b>     | 10q26.13  |
| <b>Synonyms:</b>         | BBDS; BEK; BFR-1; CD332; CEK3; CFD1; ECT1; JWS; K-SAM; KGFR; TK14; TK25   |
| <b>Summary:</b>          | <p>The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]</p> |
| <b>Protein Families:</b> | Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane   |
| <b>Protein Pathways:</b> | Endocytosis, MAPK signaling pathway, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton  |

## Product images:

