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## 32-6963: DDR2 Human

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| **Alternative Name :** | Discoidin domain-containing receptor 2, DDR2, MIG20a, NTRKR3, TKT, TYR010, Discoidin Domain Receptor Tyrosine Kinase 2, CD167 antigen-like family member B, Discoidin domain-containing receptor tyrosine kinase 2, Neurotrophic tyrosine kinase, receptor-related 3, Receptor protein-tyrosine kinase TKT, Tyrosine-protein kinase TYRO10, CD_antigen: CD167b. |

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Discoidin Domain Receptor Tyrosine Kinase 2 (DDR2) which is mostly expressed in mesenchymal cells is a part of the discoidin-like domain containing subfamily of receptor tyrosine kinases. DDR2 whose ligand is fibrillar collagen rather than a growth factor-like peptide is unique among RTKs. DDR2 regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. DDR2 is also essential for normal bone development.
DDR2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 386 amino acids (22-399a.a) and having a molecular mass of 43.7kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).DDR2 is fused to 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | DDR2 solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | KAQVNPAICR YPLGMSGGQI PDEDITASSQ WSESTAAKYG RLDSEEGDGA WCPEIPVEPD DLKEFLQIDL HTLHFITLVG TQGRHAGGHG IEFAPMYKIN YSRDGTRWIS WRNRHGKQVL DGNSNPYDIF LKDLEPPIVA RFVRFIPVTD HSMNVCMRVE LYGCVWLDGL VSYNAPAGQQ FVLPGGSIIY LNDSVYDGAV GYSMTEGLGQ LTDGVSGLDD FTQTHEYHVW PGYDYVGWRN ESATNGYIEI MFEFDRIRNF TTMKVHCNNM FAKGVKIFKE VQCYFRSEAS EWEPNAISFP LVLDDVNPSA RFVTVPLHHR MASAIKCQYH FADTWMMFSE ITFQSDAAMY NNSEALPTSP MAPTTYDPML KVDDSNTRLE HHHHHH. |