

Recombinant human DDR2 protein

Catalog Number: ATGP3380

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-399aa

UniProt No.

Q16832

NCBI Accession No.

NP_001014796.1

Alternative Names

Discoidin domain-containing receptor 2, DDR2, MIG20a, NTRKR3, TKT, TYR010, CD167 antigen-like family member B, CD167b, CD167b antigen, Cell migration inducing protein 20, DDR 2, DDR2_HUMAN, Discoidin domain containing receptor 2, Discoidin domain receptor 2, Discoidin domain receptor family member 2, discoidin domain receptor tyrosine kinase 2, Discoidin domain-containing receptor 2, discoidin domain-containing receptor tyrosine kinase 2, Hydroxyaryl protein kinase MIG20a, Migration inducing gene 16 protein Neurotrophic tyrosine kinase, Neurotrophic tyrosine kinase receptor related 3, NTRKR 3, NTRKR3, Receptor protein tyrosine kinase TKT, Receptor protein-tyrosine kinase TKT, Receptor related 3 receptor-related 3, TKT, TYRO 10, TYRO10, Tyrosine kinase receptor related to neurotrophic TRK, Tyrosine protein kinase TYRO 10, Tyrosine protein kinase TYRO10, Tyrosine-protein kinase TYRO10, Tyrosylprotein kinase

PRODUCT SPECIFICATION

Molecular Weight

43.7 kDa (386aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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BACKGROUND

Description

DDR2, also known as discoidin domain-containing receptor 2, belongs to the discoidin-like domain containing subfamily of receptor tyrosine kinases. It is mainly expressed in mesenchymal cells and is unique among RTKs in that its ligand is fibrillar collagen rather than a growth factor-like peptide. Recombinant human DDR2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

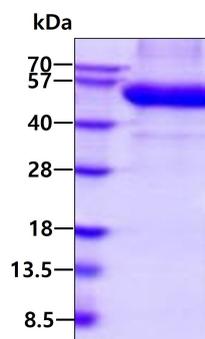
KAQVNPAICR YPLGMSGGQI PDEDITASSQ WSESTAAYKYG RLDSEEGDGA WCPEIPVEPD DLKEFLQIDL HTLHFITLVG
TQGRHAGGHG IEFAPMYKIN YSRDGTRWIS WRNRHGKQVL DGNSNPYDIF LKDLPEPIVA RFVRFIPVTD HSMNVCMRVE
LYGCVWLDGL VSYNAPAGQQ FVLPGGSIY LNSVYDGAV GYSMTTEGLGQ LTDGVVSLDD FTQTHEYHVV
PGYDYVGWRN ESATNGYIEI MFEFDRIRNF TTMKVHCNNM FAKGVKIFKE VQCYFRSEAS EWEPNAISFP LVLDDVNP
SA RFVTVPLHHR MASAICQYH FADTWMMFSE ITFQSDAAMY NNSEALPTSP MAPTTYDPML KVDDSNTR<LE HHHHHH>

General References

Vogel WF., et al. (2006) Cell. Signal. 18:1108-1116.
Wall SJ., et al. (2005) J Biol Chem. 48:40187-40194.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.