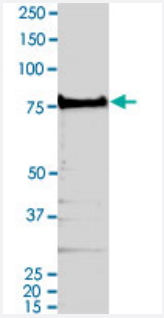
Bioactive

DDR2 (Human) Recombinant Protein

Catalog # P4675 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human DDR2 (NM_006182.2, 422 a.a. - 855 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	77.801
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST affinity chromatography
Concentration	0.102 ug/uL

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Activity	9 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — DDR2

Entrez GeneID	4921
Protein Accession#	NM_006182.2
Gene Name	DDR2
Gene Alias	MIG20a, NTRKR3, TKT, TYRO10
Gene Description	discoidin domain receptor tyrosine kinase 2
Omim ID	191311
Gene Ontology	Hyperlink
Gene Summary	Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenv ironment. These molecules are involved in the regulation of cell growth, differentiation, and metab olism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intrac ellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transdu ction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular re gion encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple tr anscript variants encoding the same protein. [provided by RefSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	OTTHUMP00000032332|OTTHUMP00000038368|cell migration-inducing protein 20|discoidin domain receptor family, member 2|hydroxyaryl-protein kinase|migration-inducing gene 16 protein|neurotrophic tyrosine kinase receptor related 3|tyrosyl|protein kinase

Disease

- Genetic Predisposition to Disease
- Hypertension
- Ovarian Neoplasms
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.