

Datasheet

Human DDR1 Recombinant Protein

Catalog Number: BGT-PPT-17427

Regulation Status: For research use only (RUO)

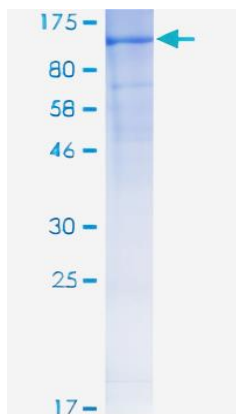
Product Description: Human DDR1 full-length ORF (AAH08716.1, 22 a.a. - 876 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKGHFDPKCRYALGMQDRITPDSISASSSWSDESTA
 ARHSRLESSDGDGAWCPAGSVFPKEEEYLQVDLQRL
 HLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRRW
 MGWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLV
 RFYPRADRVMSVCLRVLYGCLWRDGLLSYAPVGQ
 TMYLSEAVYLNDSYDGHTVGGYQYGGGLQADGVV
 GLDDFRKSQELRWPGYDYVGSNHSFSSGYVEME
 FEFDRLRAFQAMQVHCNNMHTLGARLPGGVECFRR
 GPAMAWEGEPMRHNLGGNLGDPRARAVSVPLGGRV
 ARFLQCRFLFAGPWLLFSEISFISDVVNNSSPALGGTF
 PPAPWWPPGPPPTNFSSLELEPRGQQPVAKAEGSPT
 AILIGCLVAIIILLLLIIALMLWRLHWRRLLSKAERRVLEE
 ELTVHLSVPGDTILINNRPGPREPPPYQEPRRGNPPH
 SAPCVPNGSAYSQDYMEPEKPGAPLLPPPPQNSVPH
 YAEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDF
 PRSRLRFKEKLGEGQFGEVHLCEVDSPQDLVSLDFPL
 NVRKGHPLLVAVKILRPDATKNARNDLKEVKIMSRLK
 DPNIIRLLGVCVQDDPLCMITDYMENGLNQFLSAHQL
 EDKAAEGAPGDGQAAQGP TISYPMLLHVAAQIASGMR
 YLATLNFVHRDLATRNCLVGENFTIKIADFGMSRNLYA
 GDYYRVQGRAVLPIRWMAWECILMGKFTTASDVWAF
 GVTLWEVLMCRAQPFQGLTDEQVIENAGEFFRDQG
 RQVYLSRPPACPGQLYELMLRCWSRESEQRPPFSQL
 HRFLAEDALNTV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 119.79



Interspecies Antigen Sequence: Mouse (90); Rat (90)

Applications: AP, Array, ELISA, WB-Re

Preparation Method: in vitro wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 780

Gene Symbol: DDR1

Gene Alias: CAK, CD167, DDR, EDDR1, MCK10, NEP, NTRK4, PTK3, PTK3A, RTK6, TRKE

Gene Summary: Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]