

## Active Recombinant Human DDR1 protein, His&GST-tagged

**Cat. No.** DDR1-7297H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human DDR1 protein(Q08345-1) (Arg444-Val913) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                      |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 444-913 aa                                                                                                                                                                                                                 |
| <b>Form</b>             | Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol, 3mM DTT.                                                                                                                                                  |
| <b>Bio-activity</b>     | The specific activity was determined to be 2.75 nmol/min/mg using synthetic AXLtide peptide(CKKSRGDYMTMQIG) as substrate.                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant human DDR1 /GST chimera consists of 707 amino acids and has a calculated molecular mass of 80 kDa. The recombinant protein migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                            |
| <b>Purity</b>           | > 89 % as determined by SDS-PAGE                                                                                                                                                                                           |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

thaw cycles.

#### Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

### GENE INFORMATION

#### Gene Name

DDR1 discoidin domain receptor tyrosine kinase 1 [ Homo sapiens ]

#### Official Symbol

DDR1

#### Synonyms

DDR1; discoidin domain receptor tyrosine kinase 1; CAK, discoidin domain receptor family, member 1 , EDDR1, NEP, NTRK4, PTK3A; epithelial discoidin domain-containing receptor 1; CD167; RTK6; tyrosine kinase DDR; cell adhesion kinase; mammary carcinoma kinase 10; tyrosine-protein kinase CAK; protein-tyrosine kinase RTK-6; neuroepithelial tyrosine kinase; PTK3A protein tyrosine kinase 3A; CD167 antigen-like family member A; neurotrophic tyrosine kinase, receptor, type 4; CAK; DDR; NEP; HGK2; PTK3; TRKE; EDDR1; MCK10; NTRK4; PTK3A;

#### Gene ID

780

#### mRNA Refseq

NM\_001202521

#### Protein Refseq

NP\_001189450

#### MIM

600408

#### UniProt ID

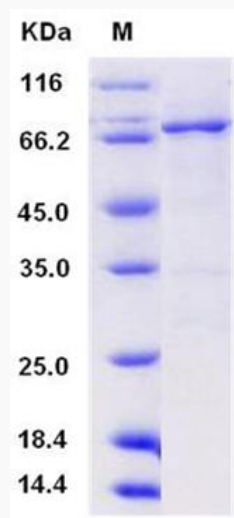
Q08345

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA