

PRODUCT INFORMATION

Target DDR1

Synonyms CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; MCK-10; HGK2; CD167a **Description** Recombinant human DDR1 Protein with C-terminal 6×His tag

Delivery In Stock **Uniprot ID** Q08345 **HEK293 Expression Host** C-6×His Tag

Molecular Characterization

DDR1(Asp21-Thr416) 6×His tag

The protein has a predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of DDR1-His is approximately 55-70 kDa due to glycosylation. **Molecular Weight**

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. Purity

Formulation & Reconstitution Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of

reconstitution.

Storage & Shipping

Background

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided]

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Usage Research use only Conjugate Unconjugated



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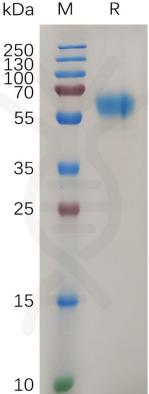


Figure 1. Human DDR1, His Tag on SDS-PAGE under reducing condition.



