HUMAN DDR1 PROTEIN, HIS TAG

Cat.#: 11499

Product Name: Human DDR1 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CAK;EDDR1;NEP;NTRK4;PTK3A;RTK6;TRKE;MCK-10;HGK2;CD167a

Target: DDR1

UNIPROT ID: Q08345

Description: Recombinant human DDR1 Protein with C-terminal 6xHis tag

Background: 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 by RefSeq, Feb 2011]

Species/Host: HEK293

Molecular Weight: 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 Characterization: DDR1(Asp21-Thr416) 6×His tag

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

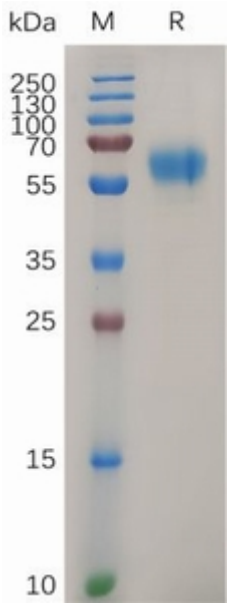

Figure 1. Human DDR1, His Tag on SDS-PAGE under reducing condition.