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
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	DDR1(Asp21-Thr416) 6×His tag
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
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	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.
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]
Usage	Research use only
Conjugate	Unconjugated

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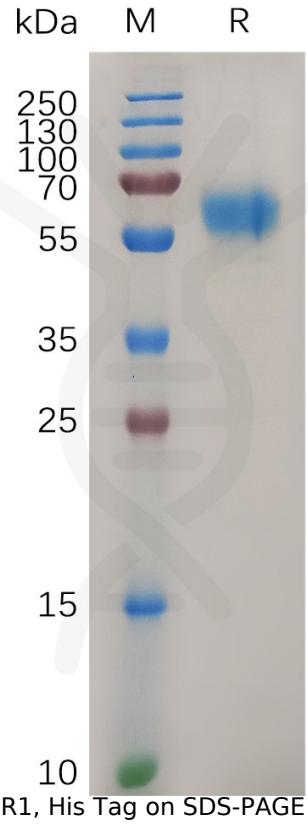

Figure 1. Human DDR1, His Tag on SDS-PAGE under reducing condition.

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