

Catalog No.: RP03327LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	780	O08345

No tag

DDR1; CAK; EDDR1; NEP; NTRK4; PTK3A;
RTK6; TRKE; CD167a; MCK-10; HGK2;
Epithelial discoidin domain-containing
receptor 1

Source	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE; ≥ 85% as determined by HPLC.

Calculated MW	Observed MW
52.3 kDa	45-55 kDa

< 1 EU/μg of the protein by LAL method.

Supplied as a 0.22 μ m filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Please use running water to thaw it quickly.

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DDR1 also known as discoidin domain receptor family member 1 or CD167a belongs to a subfamily of receptor tyrosine kinases (RTKs) with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. And it is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. In situ studies and Northern-blot analysis showed that expression of DDR1 is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly overexpressed in several human tumors from breast, ovarian, esophageal, and pediatric brain.

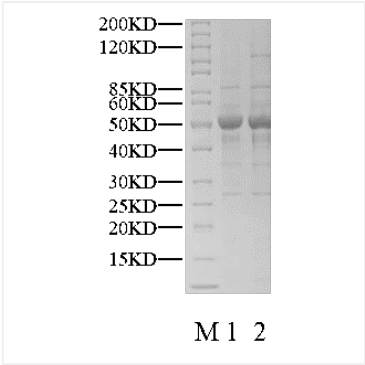
Recombinant Human HGK2/DDR1/CD167a Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Arg444-Val913) of Human DDR1 (Accession #Q08345) fused with No tag.

The activity of DDR1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

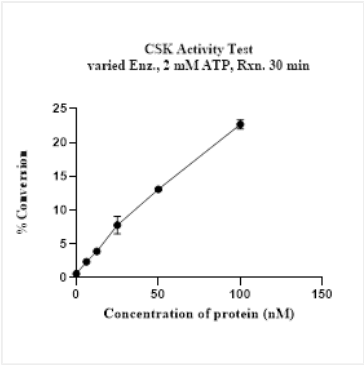
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Validation Data



Recombinant Human HGK2/DDR1/CD167a Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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