Recombinant Human HGK2/DDR1/CD167a Kinase

Catalog No.: RP03327LQ

Sequence Information

Species
Human

Gene ID
780

Swiss Prot
Q08345

Tags
No tag

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

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
52.3 kDa

Observed MW
45-55 kDa

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

Formulation
Supplied as a 0.22 μm 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.

Reconstitution
Please use running water to thaw it quickly.

Background

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.

Basic Information

Description
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.

Activity
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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

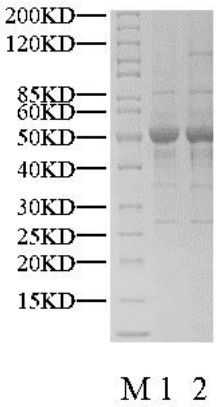
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

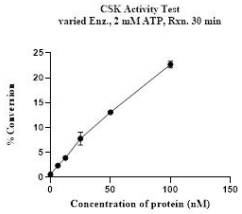
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Validation Data



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



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