

Recombinant Human HGK2/DDR1/CD167a Protein

Catalog No.: RP03327LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	780	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	Purification
Baculovirus-Insect Cells	> 85% by SDS-PAGE and HPLC

Calculated MW	Observed MW
52.3 kDa	45-55 kDa

Endotoxin

< 1.0 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.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

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.

Bio-Activity

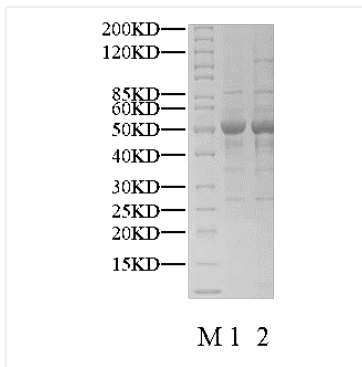
The activity of DDR1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage

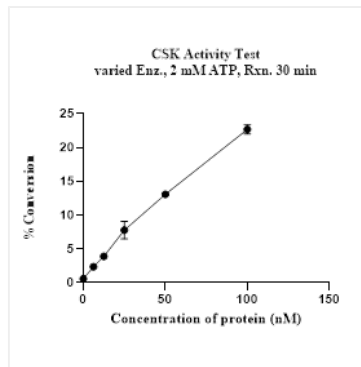
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

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

Validation Data



Recombinant Human HGK2/DDR1/CD167a Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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