

Product datasheet

Recombinant Rhesus monkey DDR2 protein (Fc Chimera) ab219680

1 Image

Description

<b>Product name</b>	Recombinant Rhesus monkey DDR2 protein (Fc Chimera)	
<b>Purity</b>	> 95 % SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<a href="#">G7MEB8</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Rhesus monkey	
<b>Sequence</b>	KAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAA KYGRLDSEEGDGA WCPEIPVEPDDLKEFLQIDLHLHFITLVGTQGRHAGG HGIEFAPMYKIN YSRDGTRWISWRNRHGKQVLDGNSNPYDIFLKDLEPPI VARFVRFIPVTD HSMNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPG GSIMLNDSVYDGAV GYSMTEGLGQLTDGVSGLDDFTQTHEYHVWPGYD GWRNESATNGYIEI MFEFDRI RNFTTMKVHCNNMFAKGVKIFKEVQCYFRS EASEWEPNAISFP LVLDDVNPSARFVTVPLHHRMASAIKCQYHFADTWMM FSEITFQSDAAMY NNSGALPTSPMTPTTYDPMKIDDSNTR	
<b>Predicted molecular weight</b>	69 kDa including tags	
<b>Amino acids</b>	22 to 399	
<b>Additional sequence information</b>	Fused with a human IgG1 Fc tag at the C-terminus.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219680** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Lyophilised

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
pH: 7.50  
Constituents: 0.61% Tris, 0.75% Glycine, 5% Trehalose, 0.44% L-Arginine, 0.87% Sodium chloride

Lyophilized from 0.22 µm filtered solution.

**Reconstitution** It is recommended to reconstitute the lyophilized product in sterile deionized water to a final concentration of 1 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

## General Info

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**Function** This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.

**Tissue specificity** The major 10 kDa transcript is expressed in high levels in heart and lung, less in brain, placenta, liver, skeletal muscle, pancreas, and kidney.

**Involvement in disease** Defects in *DDR2* are the cause of spondyloepimetaphyseal dysplasia short limb-hand type (SEMD-SL) [MIM:271665]. A bone disease characterized by short-limbed dwarfism, a narrow chest with pectus excavatum, brachydactyly in the hands and feet, a characteristic craniofacial appearance and premature calcifications. The radiological findings are distinctive and comprise short long bones throughout the skeleton with striking epiphyses that are stippled, flattened and fragmented and flared, irregular metaphyses. Platyspondyly in the spine with wide intervertebral spaces is observed and some vertebral bodies are pear-shaped with central humps, anterior protrusions and posterior scalloping.

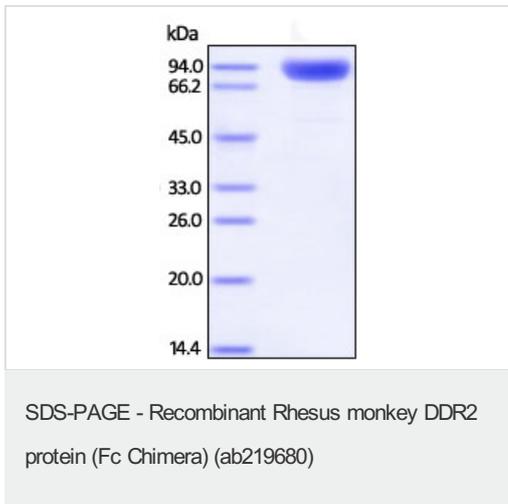
**Sequence similarities** Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 1 F5/8 type C domain.  
Contains 1 protein kinase domain.

**Cellular localization** Membrane.

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## Images

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SDS-PAGE analysis of ab219680 stained overnight with Coomassie Blue.

The reduced protein migrates as 80-95 kDa in SDS-PAGE due to glycosylation.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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