

Human DDR1 Protein

Cat. No. DDR-HM2R1



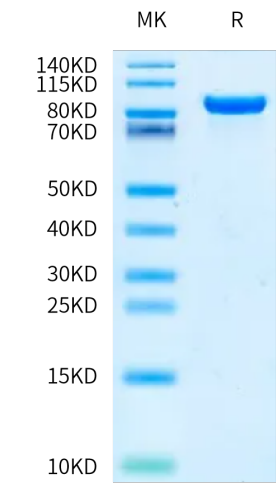
Description	
Source	Recombinant Human DDR1 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Asp21-Ala417.
Accession	Q08345-1
Molecular Weight	The protein has a predicted MW of 69.97 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Discoidin domain receptor1 (DDR1) is a collagen activated receptor tyrosine kinase and an attractive anti-fibrotic target. Its expression is mainly limited to epithelial cells located in several organs including skin, kidney, liver and lung. DDR1's biology is elusive, with unknown downstream activation pathways; however, it may act as a mediator of the stromal-epithelial interaction, potentially controlling the activation state of the resident quiescent fibroblasts.	

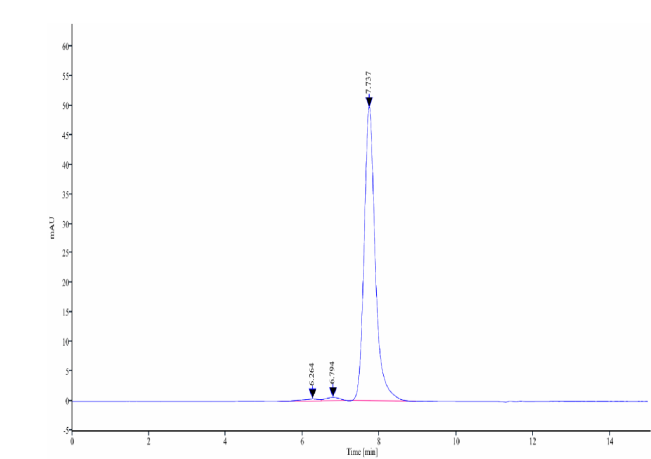
Assay Data

Bis-Tris PAGE



Human DDR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

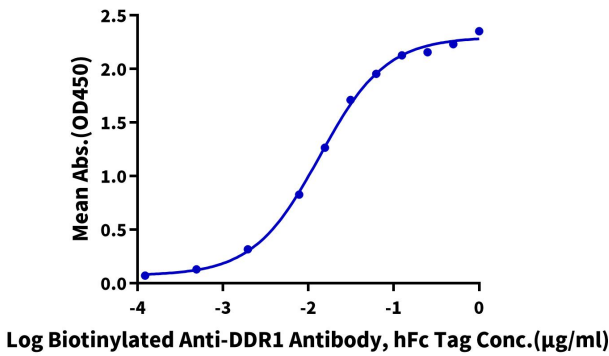


The purity of Human DDR1 is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human DDR1, hFc Tag ELISA
0.05µg Human DDR1, hFc Tag Per Well



Immobilized Human DDR1, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-DDR1 Antibody, hFc Tag with the EC50 of 13.6ng/ml determined by ELISA.