

Epithelial discoidin domain-containing receptor 1

Catalog No: #AP79084



Package Size: #AP79084-1 50ug #AP79084-2 100ug #AP79084-3 1mg

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Description

Product Name	Epithelial discoidin domain-containing receptor 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant protein
Other Names	CAK,EDDR1,NEP,NTRK4,PTK3A,RTK6,TRKE,CD167 antigen-like family member A,Tyrosine-protein kinase CAK,Cell adhesion kinase,Discoidin receptor tyrosine kinase,HGK2,Mammary carcinoma kinase 10,Protein-tyrosine kinase 3A,Protein-tyrosine kinase RTK-6,TRK E,Tyrosine kinase DDR,MCK-10,CD167a
Accession No.	Q08345Gene name:DDR1
Uniprot	Q08345
GeneID	780;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell attachment to the extracellular matrix, remodeling of the extracellular matrix, cell migration, differentiation, survival and cell proliferation. Collagen binding triggers a signaling pathway that involves SRC and leads to the activation of MAP kinases. Regulates remodeling of the extracellular matrix by up-regulation of the matrix metalloproteinases MMP2, MMP7 and MMP9, and thereby facilitates cell migration and wound healing. Required for normal blastocyst implantation during pregnancy, for normal mammary gland differentiation and normal lactation. Required for normal ear morphology and normal hearing (By similarity). Promotes smooth muscle cell migration, and thereby contributes to arterial wound healing. Also plays a role in tumor cell invasion. Phosphorylates PTPN11.

References

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Note: This product is for in vitro research use only