

Recombinant human DDR1 protein

Catalog Number: ATGP3667

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-417aa

UniProt No.

Q08345

NCBI Accession No.

NP_054699

Alternative Names

Epithelial discoidin domain-containing receptor 1 isoform 2, DDR1, CAK, CD167, DDR, EDDR1, HGK2, MCK10, NEP, NTRK4, PTK3, PTK3A, RTK6, TRKE

PRODUCT SPECIFICATION

Molecular Weight

71kDa (636aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DDR1, also known as epithelial discoidin domain-containing receptor 1 isoform 2, is a transmembrane glycoprotein that belongs to the discoidin-like domain containing subfamily of receptor tyrosine kinases. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract,

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and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. DDR1 oligomerization enhances collagen binding and also modulates collagen fibrillogenesis. Recombinant human DDR1 protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

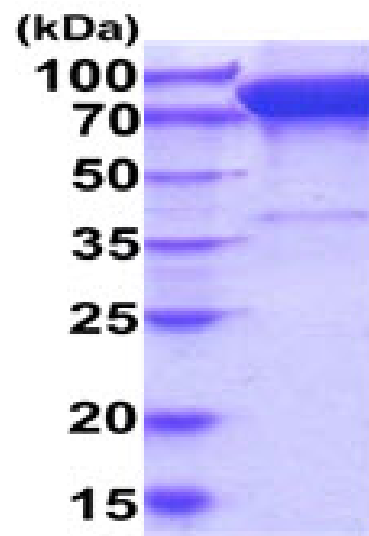
DMKGHFDPAK CRYALGMQDR TIPDSDISAS SSWSDSTAAR HSRLESSDGD GAWCPAGSVF PKEEYLQVD LQRLHLVALV
GTQGRHAGGL GKEFSRSYRL RYSRDGRRWM GWKDRWGQEV ISGNEDPEGV VLKDLGPPMV ARLVRFYPR
DRVMSVCLRV ELYGCLWRDG LLSYTAPVGQ TMYLSEAVYL NDSTYDGHTV GGLQYGGLGQ LADGVVGLDD FRKSQELRYV
WPGYDYVGWS NHSFSSGYVE MEFEDRLRA FQAMQVHCNN MHTLGARLPG GVECRFRRGP AMAWEGEPMR
HNLGGNLGDP RARAVSVPLG GRVARFLQCR FLFAGPWLLF SEISFISDVV NNSSPALGGT FPPAPWWPPG PPPTNFSSLE
LEPRGQQPVA KAEGSPTALE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN
WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD
ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFCSS VMHEALHNHY
TQKSLSLSPG KHHHHHH

General References

Ambrogio C., et al, (2016) Nat Med. 22:270-277.
Song J., et al, (2016) Tumour Biol. 37:11509-11521.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)