

Recombinant Human PODXL Protein, His-tagged

Cat. No. PODXL-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PODXL Protein, fused to His-tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-429aa
Description	This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na⁺/H⁺ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	43.1 kDa
AA Sequence	SPSPSPS PSQNATQTTT DSSNKTAPTP ASSVTIMATD TAQQSTVPTS KANEILASVK ATTLGVSSDS PGTTLAQV SGPVNTTVAR GGGSGNPPTT IESPKSTKSA DTTTATSTA TAKPNTTSSQ NGAEDTTNSG GKSSHVTTD LTSTKAEHLT TPHTSPLSP RQPTSTHPVA TPTSSGHDHL MKISSSSSTV

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AIPGYTFTSP GMTTTLPSV ISQRTQQTSS QMPASSTAPS SQETVQPTSP
 ATALRTPTLP ETMSSSPTAA STTHRYPKTP SPTVAHESNW AKCEDLETQT
 QSEKQLVLNL TGNTLCAGGA SDEKLISLIC RAVKATFNPA QDKCGIRLAS
 VPGSQTVVVK EITIHTKLPA KDVYERLKDK WDELKEAGVS DMKLGDQGPP
 EEAEDRFSMP

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

Purity > 95%

Applications SDS-PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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

Concentration 1 mg/ml

GENE INFORMATION

Gene Name **PODXL** podocalyxin like [Homo sapiens (human)]

Official Symbol **PODXL**

Synonyms PODXL; Podocalyxin; Podocalyxin isoform 2; GCTM; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; PCLP; PCLP1; PCLP-1; Pcpodocalyxin; podocalyxin-like; PDX; gp135; PC; PODXL1

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Gene ID	5420
mRNA Refseq	NM_005397
Protein Refseq	NP_005388.2
MIM	602632
UniProt ID	O00592

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