

Product datasheet for PH312006

PIGR (NM_002644) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIGR MS Standard C13 and N15-labeled recombinant protein (NP_002635)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212006
Predicted MW:	83.28 kDa
Protein Sequence:	>RC212006 representing NM_002644 Red=Cloning site Green=Tags(s)

MLLFVLTCLLAVFPAISTKSPIFGPEEVNSVEGNSVSITCYPPTSVNRHTRKYWCRQGARGGCITLISS
EGYVSSKYAGRANLTFNPENGTFFVNIQALSQDDSGRYKCGLGINSRGLSFDVSLEVSQGPGLLNDTKVY
TYDLGRTVTINCPFKTENAQKRKSLYKQIGLYPVLVIDSSGYVNPNTGRIRLDIQGTGQLLFSVVINQL
RLSDAGQYLQAGDDSNKKNADLQVLKPEPELVYEDLRGSVTFHCALGPEVANVAKFLCRQSSGEND
VVVNTLGKRAPAFEGRILLNPQDKDGSFVITGLRKEDAGRYL CGAHSQGQLQEGSPIQAWQLFVNEES
TIPRSPTVVKGVAGGSVAVLCYPYRKEKSIKYWCLWEGAQNGRCPLLVDSEGWVKAQYEGRLSLLEEPG
NGTFTVILNQLTSRDAGFYWCLTNGDTLWRTTVEIKIIEGPNLKVPGNVTAVLGETLKVPCHPCKFSS
YEKEYWCKWNNTGCQALPSQDEGPKAFVNCDENSRLVSLTLNLVTRADEGWYCGVKQGHFYGETAAVYV
AVEERKAAGSRDVS LAKADAAPDEKVLDSGFREIENKAIQDPRLF AEEKAVADTRDQADGSRASVDSGSS
EEQGGSSRALVSTLVPLGLVLAVGAVAVGARARHRKNVDRVSIRSRTDISMSDFENSREFGANDNMGA
SSITQETSLGGKEEFVATTESTTETKEPKKAKRSSKEEAEMAYKDFLLQSSTVAEEAQDGPQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002635</u>



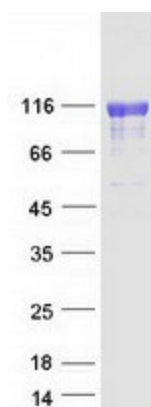
[View online »](#)

RefSeq Size: 4266
RefSeq ORF: 2292
Locus ID: 5284
UniProt ID: [P01833](#)
Cytogenetics: 1q32.1

Summary: This gene is a member of the immunoglobulin superfamily. The encoded poly-Ig receptor binds polymeric immunoglobulin molecules at the basolateral surface of epithelial cells; the complex is then transported across the cell to be secreted at the apical surface. A significant association was found between immunoglobulin A nephropathy and several SNPs in this gene.[provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified PIGR protein (Cat# [TP312006]). The protein was produced from HEK293T cells transfected with PIGR cDNA clone (Cat# [RC212006]) using MegaTran 2.0 (Cat# [TT210002]).