

Recombinant Bovine PIGR Protein (400-599 aa), His-tagged

Cat. No. PIGR-719B Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine PIGR Protein (400-599 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Bovine
Source	E.coli
ProteinLength	400-599 aa
Description	This receptor binds polymeric IgA and IgM at the basolateral surface of epithelial cells. The complex is then transported across the cell to be secreted at the apical surface. During this process a cleavage occurs that separates the Extracellular domain (known as the secretory component) from the transmembrane segment.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	26.0 kDa
AA Sequence	SRGLIKEQYEGRLALLTEPGNGTYTVILNQLTDQDTGFYWCVTGDTRWISTVELKV VQGEPSLKVPKNVTAWLGEPLKLSCHFPCFKYFSEKYWCKWSNRGCSALPTQNDG PSQAFVSCDQNSQVVSLNLDVTKEDEGWYWCGVKEGPRYGETAAVYVAVESRV KGSQGAQVKAAPAGAAIQSRAGEIQNKALLDPS
Purity	> 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

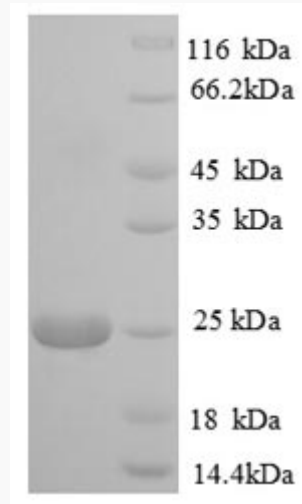
GENE INFORMATION

Gene Name	PIGR polymeric immunoglobulin receptor [<i>Bos taurus</i> (cattle)]
Official Symbol	PIGR
Gene ID	281401
mRNA Refseq	NM_174143
Protein Refseq	NP_776568
UniProt ID	P81265

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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