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32-13789: PIGR Human

Format :	PIGR protein solution (1mg/ml) containing Phosphate-Buffered Saline (pH7.4) and 10% glycerol.
Alternative Name :	Polymeric immunoglobulin receptor, PIGR, PIgR, Poly-Ig receptor, Hepatocellular carcinoma-associated protein TB6, polymeric immunoglobulin receptor precursor.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile Filtered colorless solution.
Biological ActivityMeasured by its binding ability in a functional ELISA with Human IgM. The ED50 range =10 ug/ml.
Polymeric immunoglobulin receptor (PIGR) is responsible for transcytosis of soluble dimeric IgAs and immune. PIGR binds polymeric IgA and IgM at the basolateral surface of epithelial cells, then the complex is transported across the cell to be secreted at the apical surface.cytokines, hormones, and pathogenic stimuliregulate PIGR expression. The expression of PIGR is critically regulated by the pro-inflammatory cytokines, such as IL-1, IL-4, TNF-a, and IFN-?.
PIGR Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 629 amino acids (19-638 aa) and having a molecular mass of 68.9 kDa.PIGR is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADLKSPIFGP EEVNSVEGNS VSITCYYPPT SVNRHTRKYW CRQGARGGCI TLISSEGYVS SKYAGRANLT NFPENGTFVV NIAQLSQDDS GRYKCGLGIN SRGLSFDVSL EVSQGPGLLN DTKVYTVDLG RTVTINCPFK TENAQKRKSL YKQIGLYPVL VIDSSGYVNP NYTGRIRLDI QGTGQLLFSV VINQLRLSDA GQYLCQAGDD SNSNKKNADL QVLKPEPELV YEDLRGSVTFHCALGPEVAN VAKFLCRQSS GENCDVVVNT LGKRAPAFEG RILLNPQDKD GSFSVVITGL RKEDAGRYLC GAHSDGQLQE GSPIQAWQLF VNEESTIPRS PTVVKGVAGG SVAVLCPYNR KESKSIKYWC LWEGAQNGRC PLLVDSEGWV KAQYEGRLSL LEEPGNGTFT VILNQLTSRD AGFYWCLTNG DTLWRTTVEI KIIEGEPNLK VPGNVTAVLG ETLKVPCHFP CKFSSYEKYWCKWNNTGCQA LPSQDEGPSK AFVNCDENSR LVSLTLNLVT RADEGWYWCG VKQGHFYGET AAVYVAVEER KAAGSRDVSL AKADAAPDEK VLDSGFREIE NKAIQDPRLF AEEKAVADTR DQADGSRASV DSGSSEEQGG SSRHHHHHH