



**Catalog Number:** PR27301

**Product Type:** Recombinant Protein

**Source:** Sf9, Baculovirus Cells

**Amino Acid Sequence:** DSSKWFVEHP ETLYAWEGAC VWIPCTYRAL DGDLESFILF HNPEYNKNTS KFDGTRLYES TKDGKVPSEQ KRVQFLGDKN KNCTLSIHPV HLNDSGQLGL RMESKTEKWM ERIHLNVSER PFPPHIQLPP EIQUESQEVTL TCLLNFSYCYG YPIQLQWLE GVPMRQAAVT STSLTIKSVF TRSELKFSPQ WSHHGKIVTC QLQDADGKFL SNDTVQLNVK HTPKLEIKVT PSDAIVREGD SVTMTCEVSS SNPEYTTVSW LKDGTSLLKQ NTFTLNLRV TKDQSGKYCC QVSNDVGPGR SEEVFLQVQY APEPSTVQIL HSPAVEGSQV EFLCMSLANP LPTNYTWYHN GKEMQGRTEE KVHIPKILPW HAGTYSQVAE NILGTGQRGP GAELDVQYPP KKVTTVIQNP MPREGDVT LSCNYSSNP SVTRYEWKPH GAWEEPSLGV LKIQNVGWDN TTIACAACNS WCSWASPVAL NVQYAPRDVR VRKIKPLSEI HSGNSVSLQC DFSSSHPKEV QFFWEKNGRL LGKESQLNFD SISPEDAGSY SCWVNNISIGQ TASKAWTLEV LYAPRRLRVS MSPGDQVMG KSAATLTCESD ANPPVSHYTW FDWNNQSLPY HSQKLRLEPV KVQHSQAYWC QGTNSVKGGR SPLSTLTVYY SPETIGRRLE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTTP VLDSGDSFLL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKLSLSLSPG KHHHHHHH.

**Description/Molecular Mass:** CD22, also known as Sialic Acid-Binding Ig-Like Lectin 2, is part of the immunoglobulin(Ig)superfamily. CD22 mediates B-cell to B-cell interactions and is implicated in the localization of B-cells in lymphoid tissues. CD22 acts as positive regulator via interaction with the Src family tyrosine kinases, in addition CD22 preform as an inhibitory receptor by recruiting cytoplasmic phosphatases.

CD22 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 907 amino acids (20-687a.a.) and having a molecular mass of 102.1kDa. (Molecular size on SDS-PAGE will appear at approximately 100-150kDa).

CD22 is expressed with a 239 amino acid hlgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

**Purity:** Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CD22 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).

**Storage:** 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.

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