

Chitinase 3-Like 2 Recombinant

Item Number	rAP-0895
Synonyms	Chitinase 3-Like 2, Chondrocyte Protein 39, YKL-39, YKL39, Chitinase-3-Like Protein 2, CHIL2, CHI3L2.
Description	CHI3L2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Tyr27-Leu390) containing 374 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 42.1kDa.
Uniprot Accesion Number	Q15782
Amino Acid Sequence	MKHHHHHHASYKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFAI ENNKVIIKDK SEVMLYQTIN SLTKKNPKLK ILLSIGGYLF GSKGFPVMV SSTSRLFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEEF QKDFTKSTKE RLLLTAQVSA GRQMIDNSYQ VEKLAQDLDF INLLSFDFHG SWEKPLITGH NSPLSKGQWD RGPSYYNVE YAVGYWIHKG MPSEKVVVMGI PTYGHHSFTLA SAETTVGAPA SGP-GAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVGY DDVKSMETKV QFLKNLNLLGG
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	CHI3L2 was filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in 30mM acetate buffer, pH 4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 0.1M acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer t
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**