

Recombinant Human CD33 Protein (18-259aa), C-hlgG-His-Tagged

Product Information

Cat	IMP-9465
Official Symbol	CD33
Product Overview	Recombinant human CD33, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Description	CD33, also known as myeloid cell surface antigen CD33 isoform 1, is a member of the Ig superfamily that is restricted to cells of the myelomonocytic lineage but whose functions and binding properties are unknown. It can function as a sialic acid-dependent cell adhesion molecule and that binding can be modulated by endogenous sialoglycoconjugates when it is expressed in a plasma membrane. It is usually considered myeloid-specific, but it can also be found on some lymphoid cells. It contains immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that are implicated in inhibition of cellular activity. It has been identified to modulate the risk of Alzheimer's disease (AD) in several recent genome-wide association studies (GWAS) in Caucasians.
Expression System	Baculovirus
Species	Human
Tag	C-hlgG-His
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	54 kDa (484 aa)
Protein length	18-259
AA Sequence	ADLDPNFWLQVQESVTVQEGLCVLVPCTFFHPIPIYYDKNSPVHGYWFRE GAIISGDSPVATNKLDQEVQEETQGRFRLGDP SRN NCSLSIVDARRRDN GSYFFRMERGSTKYSYKSPQLSVHVTDLTHRPKILIPGTLEPGHSKNLTC SVSWACEQGTPIFSWLSAAPTSLGPRTTTHSSVLIITPRPQDHGTNLTCQ VKFAGAGVTTERTIQLNVTYVPQNPTTGIFPGDGSQKQETRAGVVHLEPK SCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSH EDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNG KEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTC LVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSR WQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH
Endotoxin	< 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

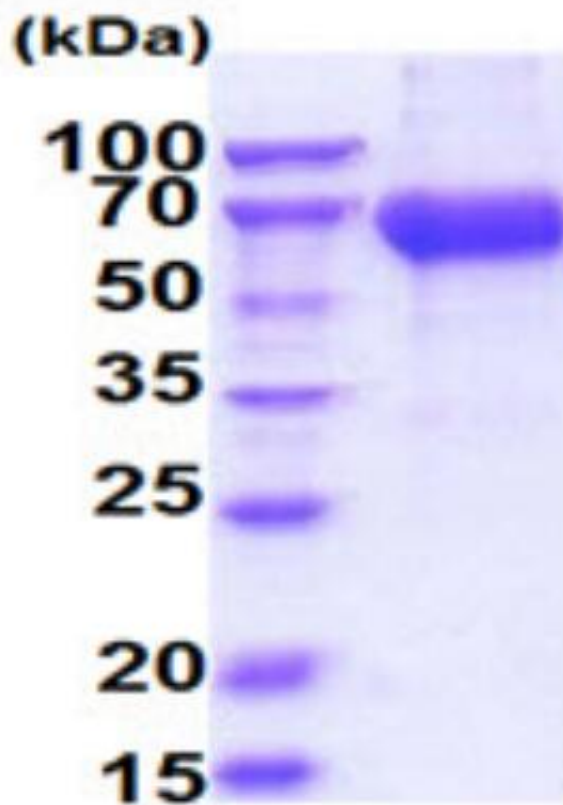
Applications SDS-PAGE

Notes *Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.*

Storage *Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.*

Concentration 0.25 mg/mL (determined by absorbance at 280nm)

SDS-PAGE



15% SDS-PAGE (3ug)

3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.