

Product Name	GlycOCATCH® Affinity Purification Microspin
Product Number	G3-OC6-002
Product composition	<ul style="list-style-type: none">• 4x Microspin columns with 50 µl settled resin with immobilized GlycOCATCH protein (G1-OC6-001) on agarose. The resin is suspended in 20% ethanol/water (v/v).• 200 units of SialEXO (G1-SM1-002), enzyme for removal of sialic acids on glycoproteins. Lyophilized in Tris buffer saline (TBS), pH 7.6.• 200 units of OpeRATOR (G1-OP1-002), endoprotease specific for digesting peptide bonds at the site of O-glycans on glycoproteins. Lyophilized in TBS, pH 7.6.
Manufacturer	Genovis AB, Sweden
Appearance	The GlycOCATCH resin is a white suspension. Lyophilized OpeRATOR and SialEXO are white to light yellow powders.
Source	GlycOCATCH protein, OpeRATOR and SialEXO are engineered proteins (<i>Akkermansia muciniphila</i>) and expressed in <i>E. coli</i> .
Bioburden	Absence of microbial contamination*.
Binding capacity	50 µl of settled GlycOCATCH resin has a binding capacity of > 50 µg desialylated etanercept in 10 mM sodium phosphate buffer saline, pH 7.4 when incubated 30 minutes at room temperature.
Enzyme activity and purity	<p>One unit of SialEXO hydrolyzes sialic acids from ≥ 90% of 1 µg glycoprotein (fetuin) when incubated in 20 mM Tris pH 6.8 at 37°C for 2 h. Purified to ≥ 90% homogeneity as determined by SDS-PAGE.</p> <p>One unit of OpeRATOR digests ≥ 90% of 1 µg of O-glycoprotein (TNFαR) when incubated with one unit of SialEXO in 20 mM Tris pH 6.8 at 37°C for 2 h. Purified to ≥ 90% homogeneity as determined by SDS-PAGE.</p>
Shipping conditions	Cold with gel ice refrigerants.
Storage temp	Microspin columns are to be stored at +4-8°C upon arrival. Lyophilized vials are to be stored at -20°C upon arrival.

*Bioburden Tested on Sabouraud Dextrose Agar, Fluid Thioglycollate Medium and Blood Agar.