

## Dystroglycan 1 Human Recombinant

<b>Item Number</b>	rAP-3990
<b>Synonyms</b>	Dystroglycan, Dystrophin-associated glycoprotein 1, DAG1, A3a, DAG, AGRNR, 156DAG, MDDGC7, MDDGC9.
<b>Description</b>	DAG1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 30-312) containing 293 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 31.87kDa (calculated).
<b>Uniprot Accession Number</b>	Q14118
<b>Amino Acid Sequence</b>	MKHHHHHHASHWPSEPSEAV RDWENQLEAS MHSVLSDLHE AVPTVVGIPD GTAVVGRSFR VTIPTDLIAS SGDIKVSAA GKEALPSWLH WDSQSHTLEG LPLDTDKGVH YISVSATRLG ANGSHIPQTS SVFSIEVYPE DHSSELQSVRT ASPDPGEVVS SACAADPEVT VLTVILDADL TKMTPKQRID LLHRMRSFSE VELHNMKLVV VVNNRFLDMS AFMAGPGNAK KVVENGALLS WKLGCSLNQN SVPDIHGVEA PAREGAMSAQ LGYPVVGWHI ANKKPPLPKR VRR.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	DAG1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. DAG1 is not sterile! Please filter the product by an appropriate sterile filter before using i
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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 ender users! This product is sold for **Research Use Only**