Recombinant Daucus carota CR16 protein

Cat. No. CR16-369D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Daucus carota CR16 was expressed in E. coli.
Species	Carrot
Source	E.coli
Description	Dau c 1.2 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in E. coli, purified by conventional biochemical methods.
Form	The product was lyophilized in 5 mM NH4HCO3, containing 1% sucrose.
Molecular Mass	~17,339 Dalton
Purity	> 99%
Storage	The lyophilized product can be kept at room temperature for at least 3 weeks. However, we recommend the product to be stored at -20 centigrade. Under these conditions the quality of the material will be maintained for several years. The stability at 4 centigrade should be at least 6 months. Reconstituted protein can be stored at -20 centigrade.
Concentration	1 mg/ml
Reconstitution	The material can be reconstituted with water or diluted buffers. If reconstituted with

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	water or buffers (2mM -Mercaptoethanol) to 2 mg/ml, the sucrose concentration will be approx. 30 mM. If reconstituted with water or buffers (2mM -Mercaptoethanol) to 2mg/ml, the product is soluble to approx. 98%. Thorough physical suspension of the protein is essential. Alternatively the product can be dissolved in 6M Urea, 1mM ß-Mercaptoethanol. The urea solution can be dialyzed against a suitable buffer (20mM Tris/HCl pH 8.0, 1mM -Mercaptoethanol) without precipitation of protein.

GENE INFORMATION

UniProt ID	O04298

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