
Product Data Sheet

Product Name: CD37 Human
 Cat. No.: GP23055
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GP52-40; TSPAN26; Leukocyte antigen CD37; Tetraspanin-26; Tspan-26.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQRAQLER SLRDVVEKTI QKYGTNPEET AAEESWDYVQ FQLRCCGWHYPQDWFQVLIL RGNGSEAH RV PCSCYNLSAT NDSTILDKVI LPQLSRLGHL ARSRHSADIC AVPAESHIYREGCAQGLQKW LHNN.		
Formulation	CD37 protein solution (1mg/ml) containing Phosphatebuffer saline, (pH 7.4) and 10% glycerol.		

Introduction

CD37 belongs to the transmembrane 4 superfamily, otherwise known as the tetraspanin family. Most of its members are cell-surface proteins which are distinguished by the presence of 4 hydrophobic domains. These proteins mediate signal transduction events which have a role in the regulation of cell development, activation, growth and motility. CD37 protein is a cell surface glycoprotein which is known to form complexes with integrins and other transmembrane 4 superfamily proteins. CD37 may also have a role in T-cell-B-cell interactions.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD37 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 154 amino acids (112-241 a.a) and having a molecular mass of 17.4kDa. CD37 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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