



Catalog Number: PR27321

Product Type: Recombinant Protein

Source: Sf9, Insect Cells

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSQRAQLER SLRDVVEKTI QKYGTNPEET AAEEESWDYVQ
FQLRCCGWHY PQDWFQVLIL RGNNGSEAHRV PCSCYNLSAT NDSTILDKVI LPQLSRLGHL
ARSRHSADIC AVPAESHIYR EGCAQGLQKW LHNN.

Description/Molecular Mass: 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.

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.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD37 protein solution (1mg/ml) containing Phosphate buffer saline, (pH 7.4) and 10% glycerol.

Storage: 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.

FOR RESEARCH USE ONLY

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RSKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

03/08v1

www.neuromics.com

Neuromics • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com