



**Catalog Number:** PR27324

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSSTTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD  
STGDQTSALP PSTSINEGSP LWTSIGASTG SPLPEPTTYQ EVSIKMSSVP QETPHATSHP  
AVPITANSLG SHTVTGGTIT TNSPETSSRT SGAPVTTAAS SLETSRGTSG PPLTMATVSL  
ETSKGTSGPP VTMATDSLET STGTTGPPVT MTTGSLEPSS GASGPQVSSV KLSTMMSPPT  
STNASTVPFR NPDENSR.

**Description/Molecular Mass:** CD43 is a key sialoglycoprotein located in the surface of T lymphocytes, monocytes, granulocytes, thymocytes and some B lymphocytes. CD43 is a part of a physiologic ligand-receptor complex which participates in T-cell activation. Throughout T-cell activation, CD43 is actively taken out from the T-cell-APC (antigen-presenting cell) contact site, signifying CD43 has a negative regulatory role in adaptive immune response.

CD43 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 257 amino acids (20-253a.a.) and having a molecular mass of 25.8kDa.

CD43 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Purity:** Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CD43 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl 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](http://www.neuromics.com)

Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)