

Recombinant Rat TACT Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52698

Size: 10ug, 100ug

Protein Name: T-cell surface protein tactile (Cell surface antigen CD96) (T cell-activated increased late expression protein) (CD antigen CD96)

Synonym: Cd96

UniProt ID: Q5BK49

UniProt Link: www.uniprot.org/uniprotkb/Q5BK49/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 603 AA

Molecular Weight: 67 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGRKWTYCVVYAIQIQFFRGAWHEELFNAGDNNVYALPGSDVNLTCTMEKDLMVQMOWSKVTDEI
DMIVVYHPQYGFHYMQGVACESRVAAVETLKDQTKWTLNLRNIISSLSGKYECSTMYPTGKTIVY
NLIVPYTQDEHNRTIEIETNRTLEIPCFQNTSSEISPRFTFSWLVEKDGVEDVLFTYDYHVSNSTAFK
GRVGLGADYGLRLSPVQIQDDGRTFSCFLRISPLKVWKTSTTVKVFAPKPEILMTVENTTMDVLGERV
FTCLLNKVFPAKASITWLIDGRLFGQNEEGIYITNEEKNSSSGFWELKSVLTRMHNRTSQSNNMTVWC
MALSPGPGNKMWNTSSQPITFSLDSGTAPTKRLPNVTGSTLGAQTFPDAEVSPTRYLATSSMTIVDE
NVLTDPDTPQTSNSSMTTKDVNYSQPSSGTDKNSSRAASSSDGGSRPFPSTSPPKWLSLPHTST
GPQEPDSAVSWIPTDAYTSGSSDASLTSHDVIIRTTKEFPDVLTTANGTTKIKHGHVTGITVKNKPRDG
MSWPVAVATLLFFCILLFGLGVRKWCQYQKEIMERPPPPFKPPPPPIKYMCIQEPTGRGMPCHEMEVL

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant T-cell surface protein tactile (Cell surface antigen CD96) (T cell-activated increased late expression protein) (CD antigen CD96) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: May be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. Promotes NK cell-target adhesion by interacting with PVR present on target cells. May function at a time after T and NK cells have penetrated the endothelium using integrins and selectins, when they are actively engaging diseased cells and moving within areas of inflammation (By similarity).

Subcellular Localization: Membrane ; Single-pass type I membrane protein .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.