

## CD3G Human

**Description:** CD3G Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 117 amino acids (23-116a.a.) and having a molecular mass of 13.1kDa. CD3G is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1399

For research use only.

**Synonyms:** T-cell surface glycoprotein CD3 gamma chain, CD3-GAMMA, T3G, CD3G.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSQSIKGNH LVKVYDYQED  
GSVLLTCDAA AKNITWFKDG KMIGFLTEDK KKWNLGSNAK DPRGMYQCKG SQNKSKPLQV  
YYRMCQCNCIE LNAATIS.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CD3G protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Short chain dehydrogenase/reductase family 16C, member5 (SDR16C5) is active in the oxidative direction as well as in the reductive one. SDR16C5 oxidizes all-trans-retinol in all-trans-retinaldehyde. No activity was detected with 11-cis-retinol or 11-cis-retinaldehyde as substrates with either NAD<sup>+</sup>/NADH or NADP<sup>+</sup>/NADPH.

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