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**Recombinant Human TNFRSF1A Protein (His Tag)****Cat.NO.: TP07209**

3th Edition

**Synonyms:**CD120a;FPF;MS5;p55;p55-R;p60;TBP1;TNF-R;TNF-R-I;TNF-R55;TNFAR;TNFR1;TNFR1-d2;TNFR55;TNFR60

**Description:**The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD120a (cluster of differentiation 120a), also known as TNFR1 / TNFRSF1A, is a member of CD family, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor- $\alpha$ . It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF- $\kappa$ B, mediate apoptosis, and regulate inflammation processes.

**Form:**PBS

**Molecular Weight:**22.7 kDa

**Sequences:**Met 1-Thr 211

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1  $\mu$ g of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.